FIGURE I

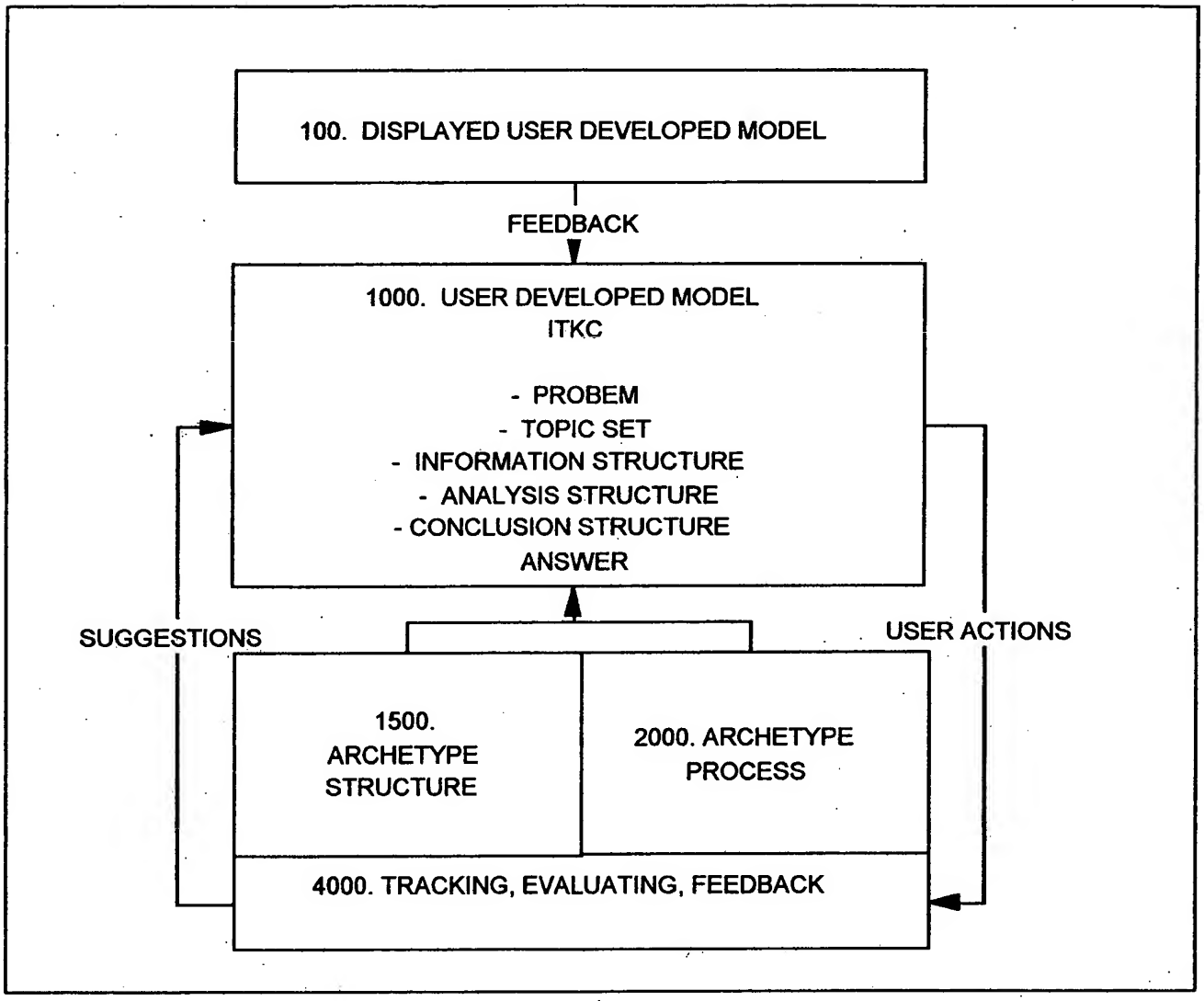

100. DISPLAYED USER DEVELOPED MODEL
FEEDBACK
1000. USER DEVELOPED MODEL
ITKC
- PROBEM
- TOPIC SET
- INFORMATION STRUCTURE
- ANALYSIS STRUCTURE
- CONCLUSION STRUCTURE
ANSWER
SUGGESTIONS
USER ACTIONS
1500.
ARCHETYPE
STRUCTURE
2000. ARCHETYPE
PROCESS
4000. TRACKING, EVALUATING, FEEDBACK

FIGURE 1A

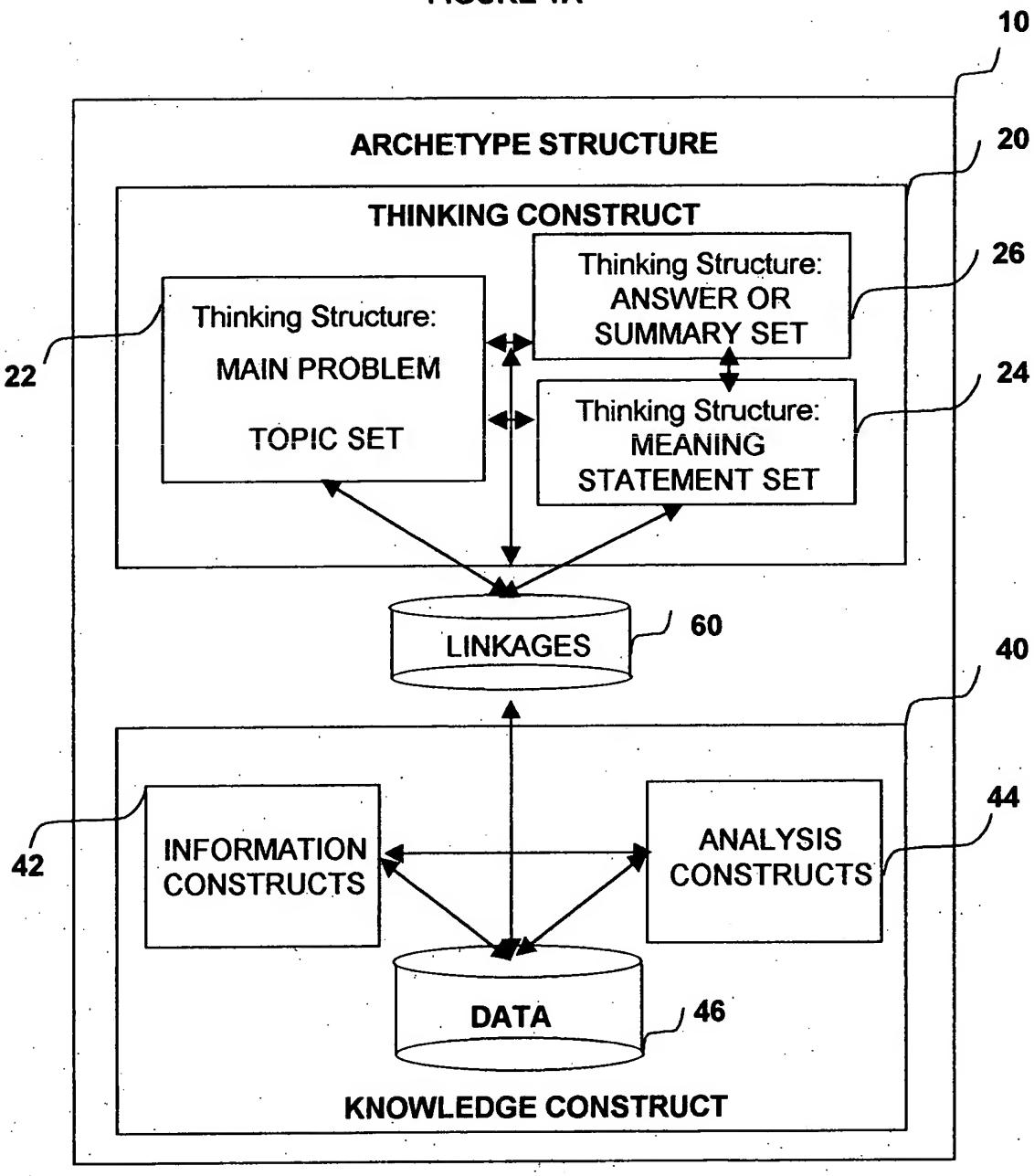

10
ARCHETYPE STRUCTURE
20
THINKING CONSTRUCT
Thinking Structure:
ANSWER OR
SUMMARY SET
26
Thinking Structure:
MAIN PROBLEM
TOPIC SET
22
Thinking Structure:
MEANING
STATEMENT SET
24
LINKAGES
60
40
INFORMATION
CONSTRUCTS
42
ANALYSIS
CONSTRUCTS
44
DATA
46
KNOWLEDGE CONSTRUCT

FIGURE 1B

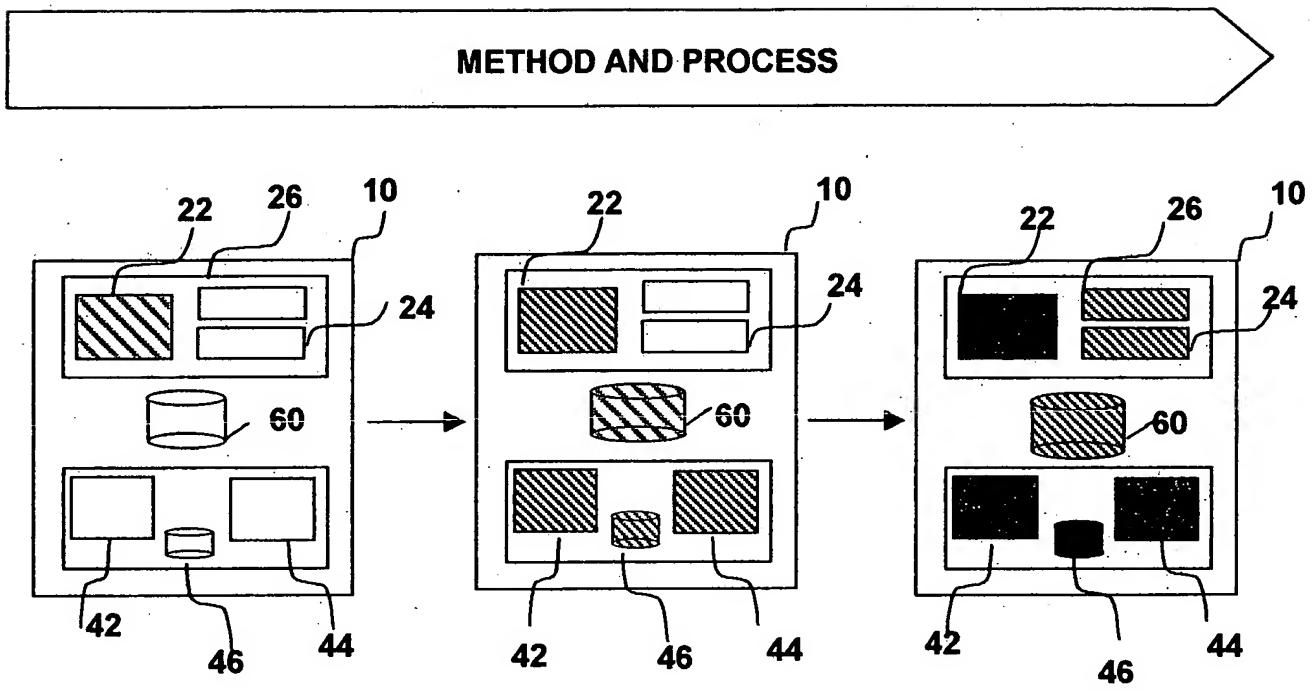

METHOD AND PROCESS
22
26
10
24
60
42
46
44
22
10
24
60
42
46
44
22
26
10
24
60
42
46
44

FIGURE 1C

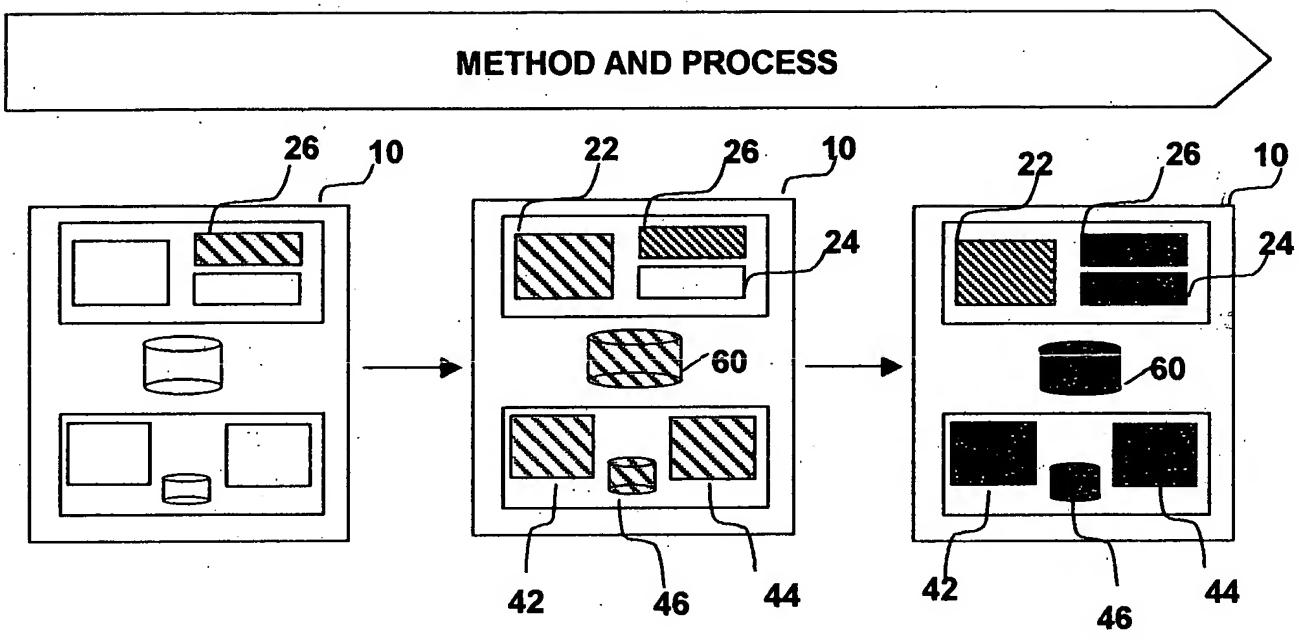

METHOD AND PROCESS
26
10
22
26
10
24
60
42
46
44
22
26
10
24
60
42
46
44

FIGURE 1D

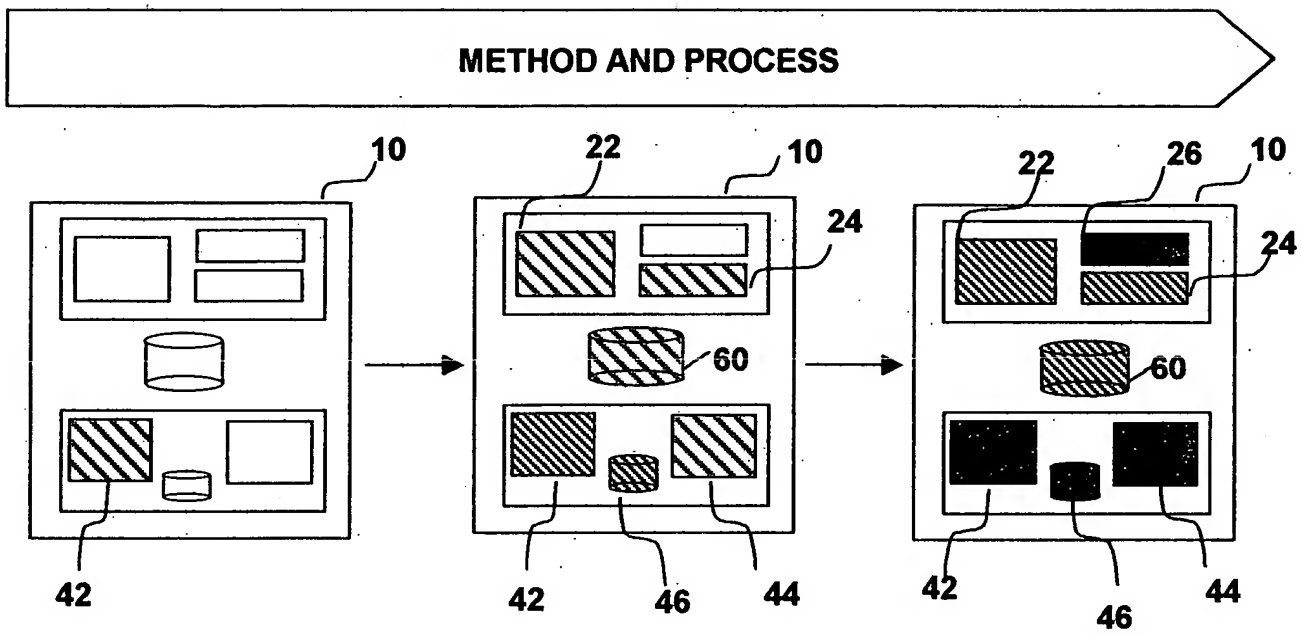


FIGURE 1E

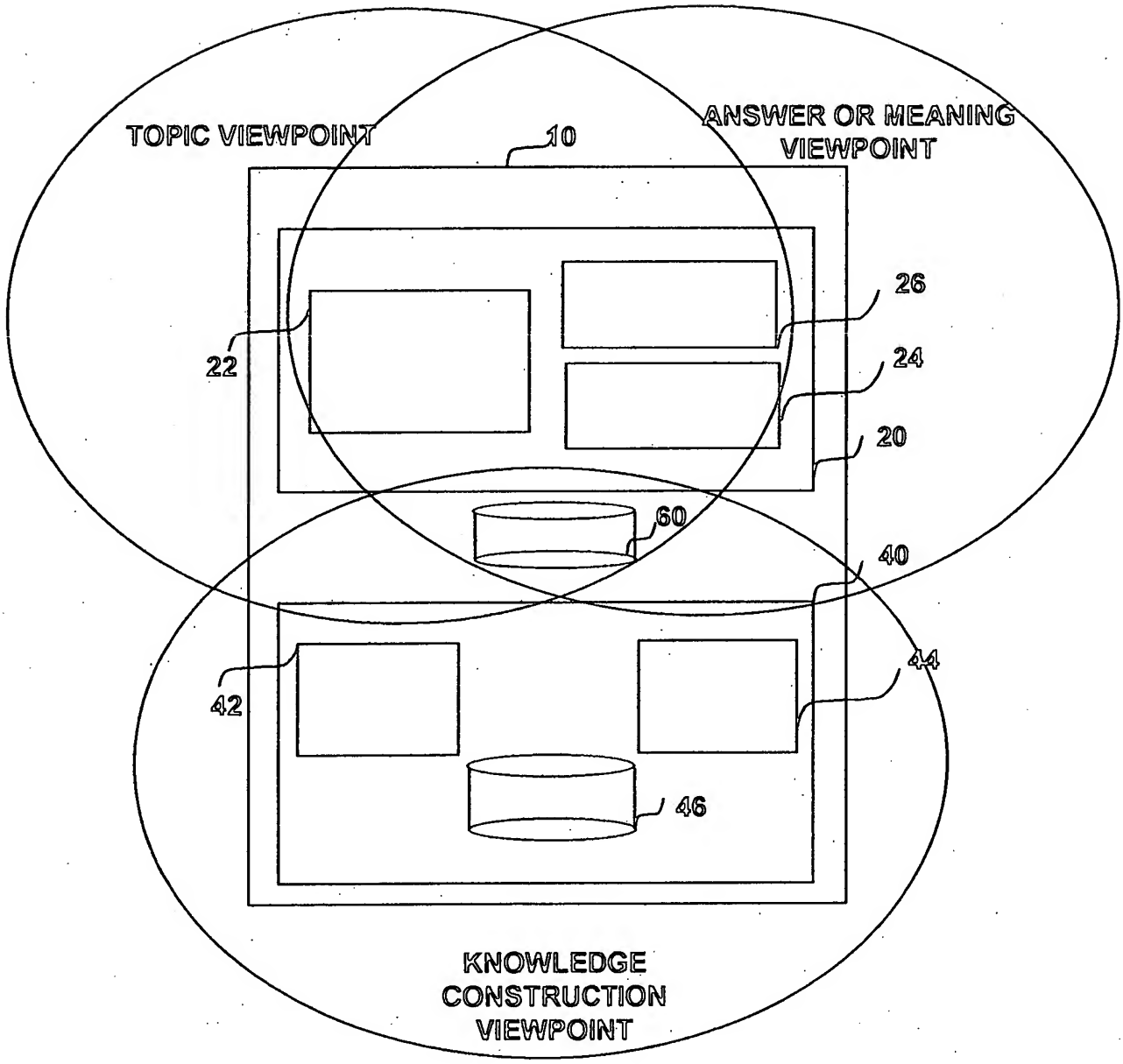

TOPIC VIEWPOINT
10
ANSWER OR MEANING VIEWPOINT
26
22
24
20
60
40
42
44
46
KNOWLEDGE CONSTRUCTION VIEWPOINT

FIGURE 2

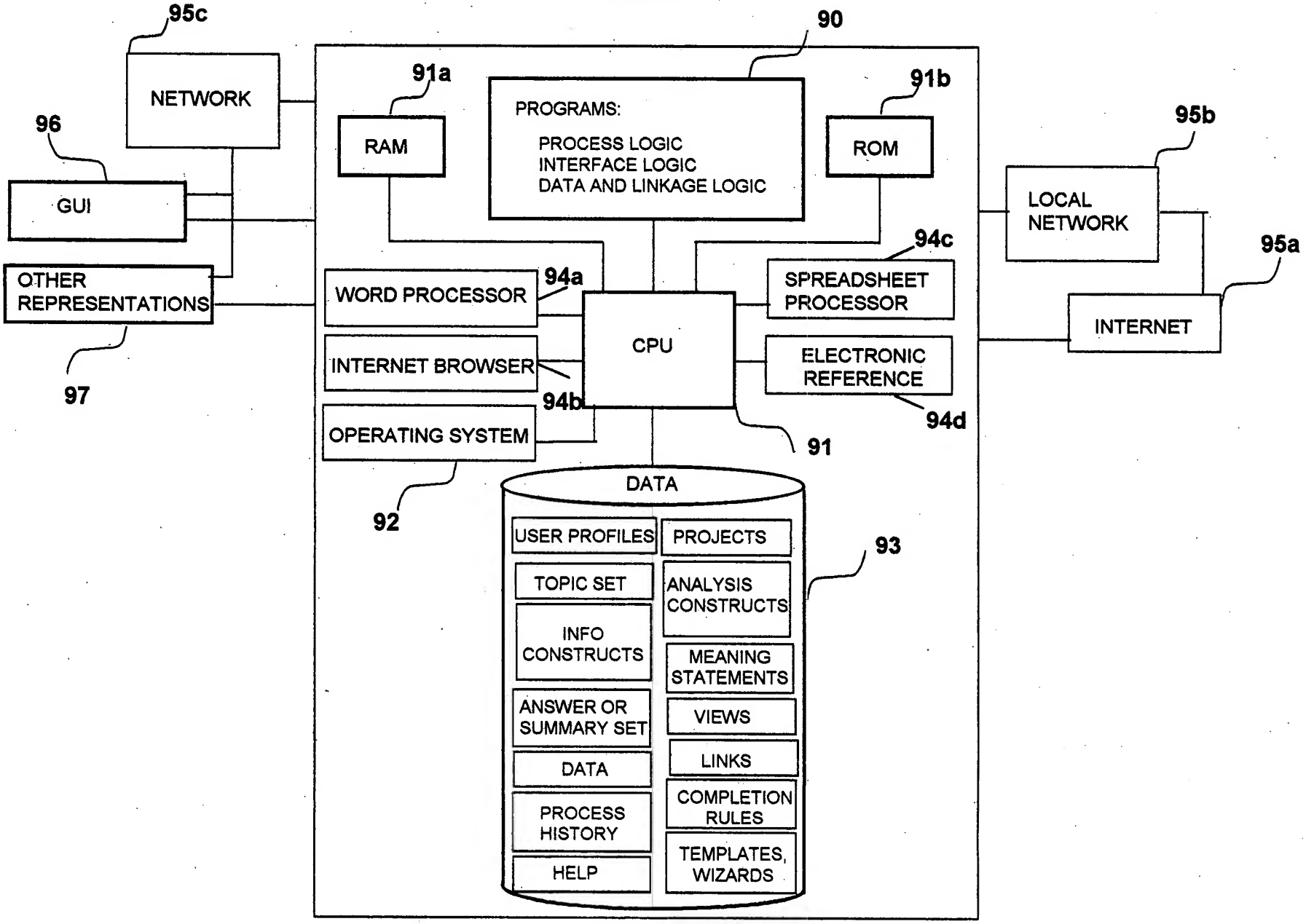

95c
NETWORK
90
91a
RAM
PROGRAMS:
PROCESS LOGIC
INTERFACE LOGIC
DATA AND LINKAGE LOGIC
91b
ROM
96
GUI
95b
LOCAL NETWORK
OTHER REPRESENTATIONS
97
WORD PROCESSOR
94a
94c
SPREADSHEET PROCESSOR
95a
INTERNET
CPU
INTERNET BROWSER
94b
ELECTRONIC REFERENCE
94d
91
OPERATING SYSTEM
92
DATA
USER PROFILES
PROJECTS
93
TOPIC SET
ANALYSIS CONSTRUCTS
INFO CONSTRUCTS
MEANING STATEMENTS
ANSWER OR SUMMARY SET
VIEWS
DATA
LINKS
PROCESS HISTORY
COMPLETION RULES
HELP
TEMPLATES, WIZARDS

FIGURE 3

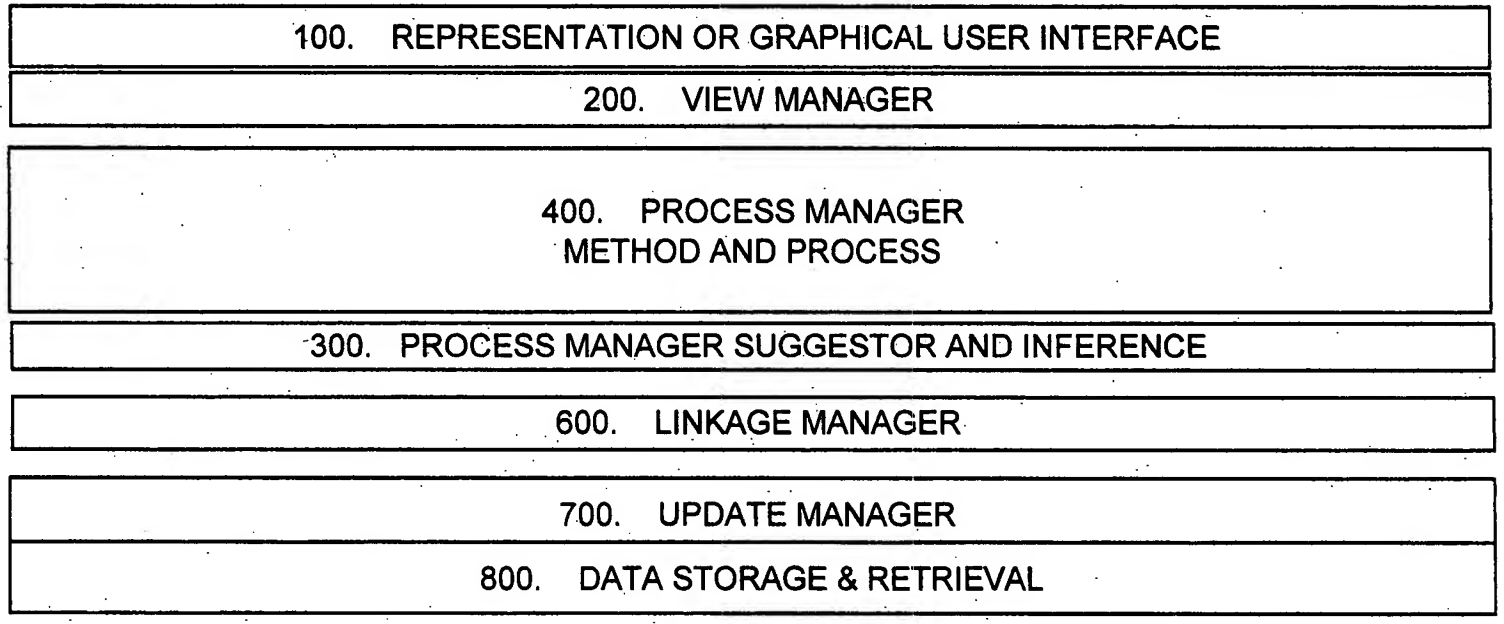
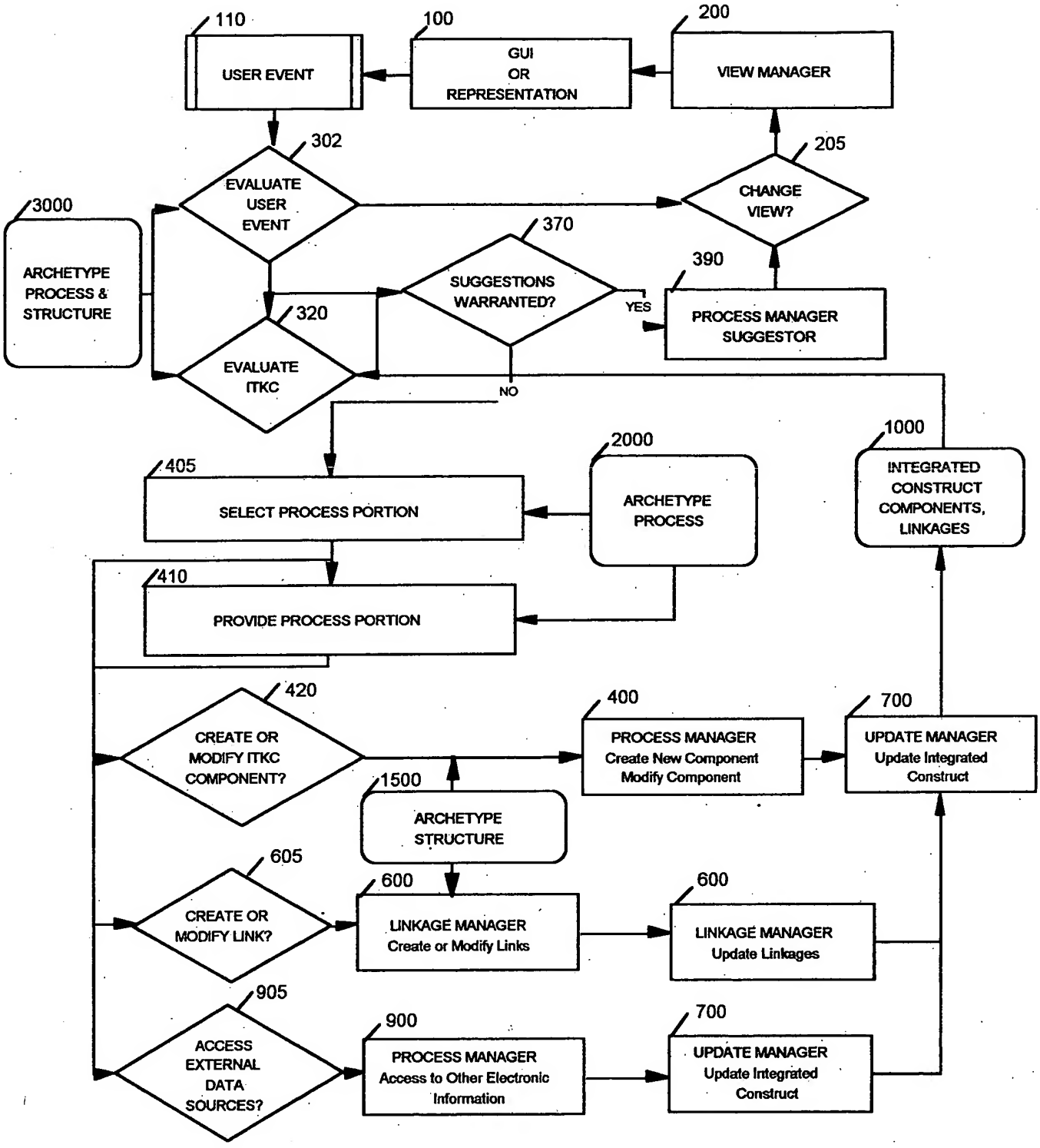

100. REPRESENTATION OR GRAPHICAL USER INTERFACE
200. VIEW MANAGER
400. PROCESS MANAGER
METHOD AND PROCESS
300. PROCESS MANAGER SUGGESTOR AND INFERENCE
600. LINKAGE MANAGER
700. UPDATE MANAGER
800. DATA STORAGE & RETRIEVAL

FIGURE 3A


110
USER EVENT
100
GUI OR REPRESENTATION
200
VIEW MANAGER
302
EVALUATE USER EVENT
205
CHANGE VIEW?
3000
ARCHETYPE PROCESS & STRUCTURE
370
SUGGESTIONS WARRANTED?
390
PROCESS MANAGER SUGGESTOR
YES
320
EVALUATE ITKC
NO
1000
INTEGRATED CONSTRUCT COMPONENTS, LINKAGES
2000
ARCHETYPE PROCESS
405
SELECT PROCESS PORTION
410
PROVIDE PROCESS PORTION
420
CREATE OR MODIFY ITKC COMPONENT?
400
PROCESS MANAGER Create New Component Modify Component
700
UPDATE MANAGER Update Integrated Construct
1500
ARCHETYPE STRUCTURE
605
CREATE OR MODIFY LINK?
600
LINKAGE MANAGER Create or Modify Links
600
LINKAGE MANAGER Update Linkages
905
ACCESS EXTERNAL DATA SOURCES?
900
PROCESS MANAGER Access to Other Electronic Information
700
UPDATE MANAGER Update Integrated Construct

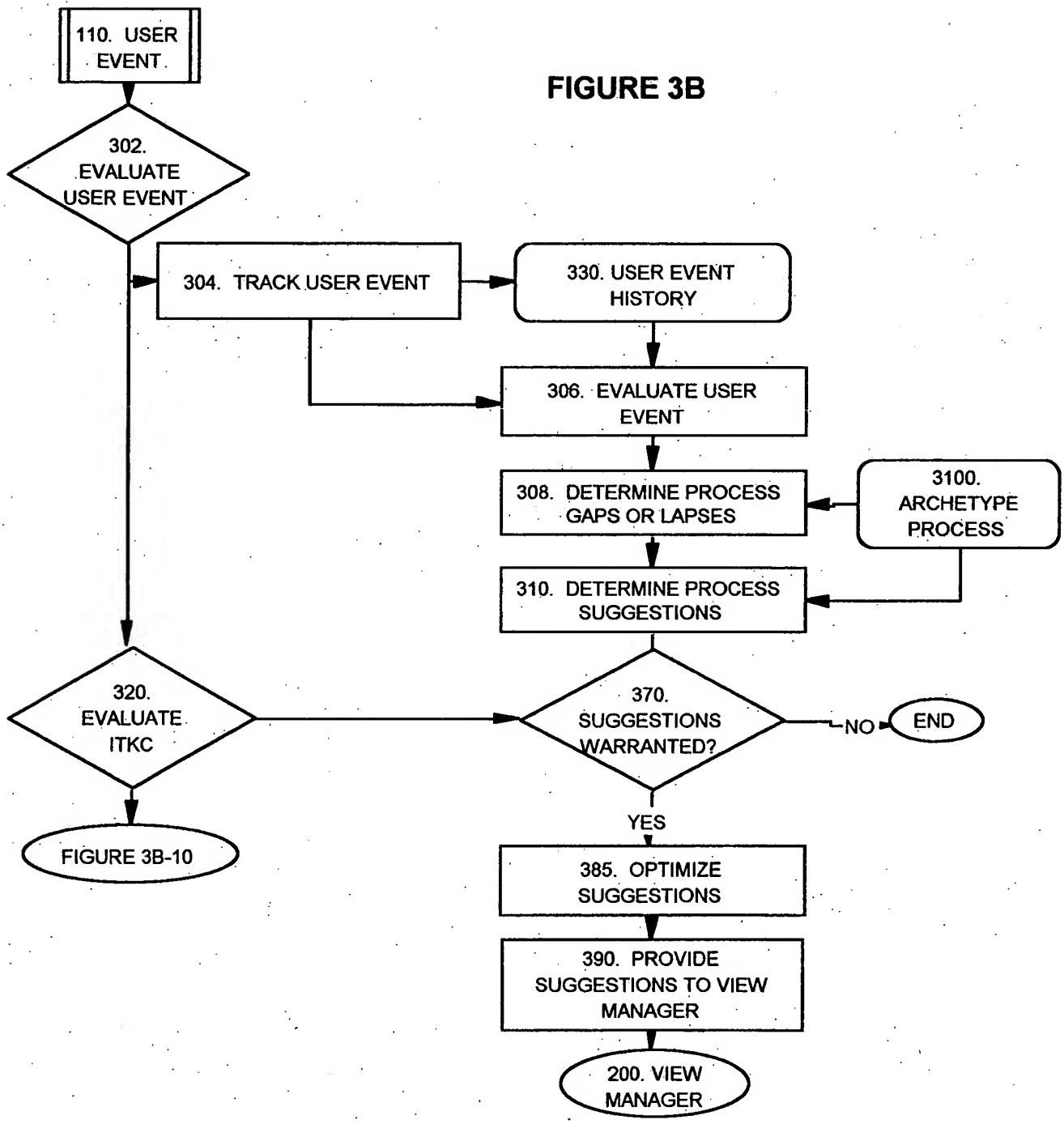

110. USER EVENT
302. EVALUATE USER EVENT
304. TRACK USER EVENT
330. USER EVENT HISTORY
306. EVALUATE USER EVENT
308. DETERMINE PROCESS GAPS OR LAPSES
3100. ARCHETYPE PROCESS
310. DETERMINE PROCESS SUGGESTIONS
320. EVALUATE ITKC
370. SUGGESTIONS WARRANTED?
NO
END
YES
FIGURE 3B-10
385. OPTIMIZE SUGGESTIONS
390. PROVIDE SUGGESTIONS TO VIEW MANAGER
200. VIEW MANAGER

FIGURE 3B

FIGURE 3B-10

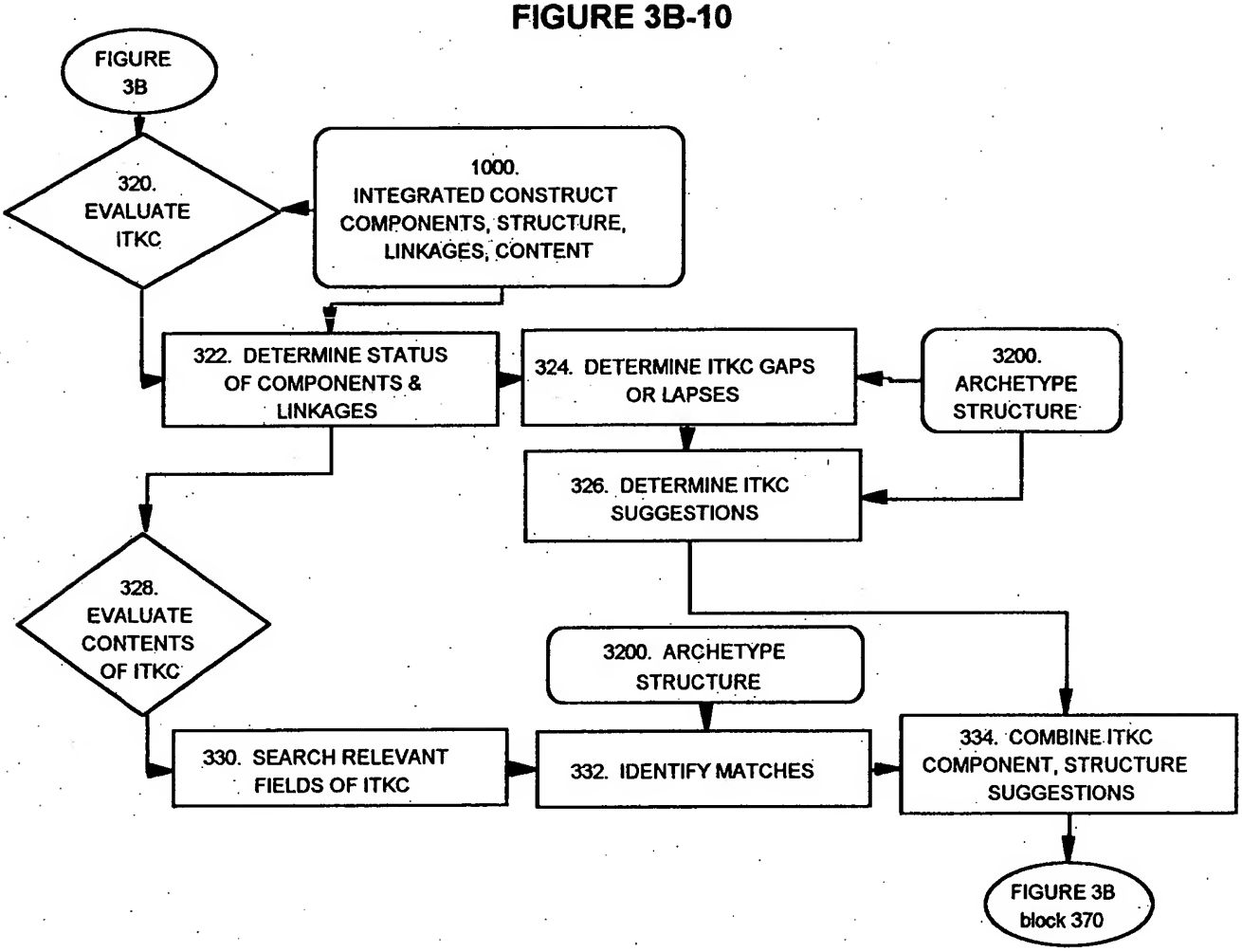


FIGURE 3B
320. EVALUATE ITKC
1000. INTEGRATED CONSTRUCT COMPONENTS, STRUCTURE, LINKAGES, CONTENT
322. DETERMINE STATUS OF COMPONENTS & LINKAGES
324. DETERMINE ITKC GAPS OR LAPSES
3200. ARCHETYPE STRUCTURE
326. DETERMINE ITKC SUGGESTIONS
328. EVALUATE CONTENTS OF ITKC
3200. ARCHETYPE STRUCTURE
330. SEARCH RELEVANT FIELDS OF ITKC
332. IDENTIFY MATCHES
334. COMBINE ITKC COMPONENT, STRUCTURE SUGGESTIONS
FIGURE 3B block 370

FIGURE 3C

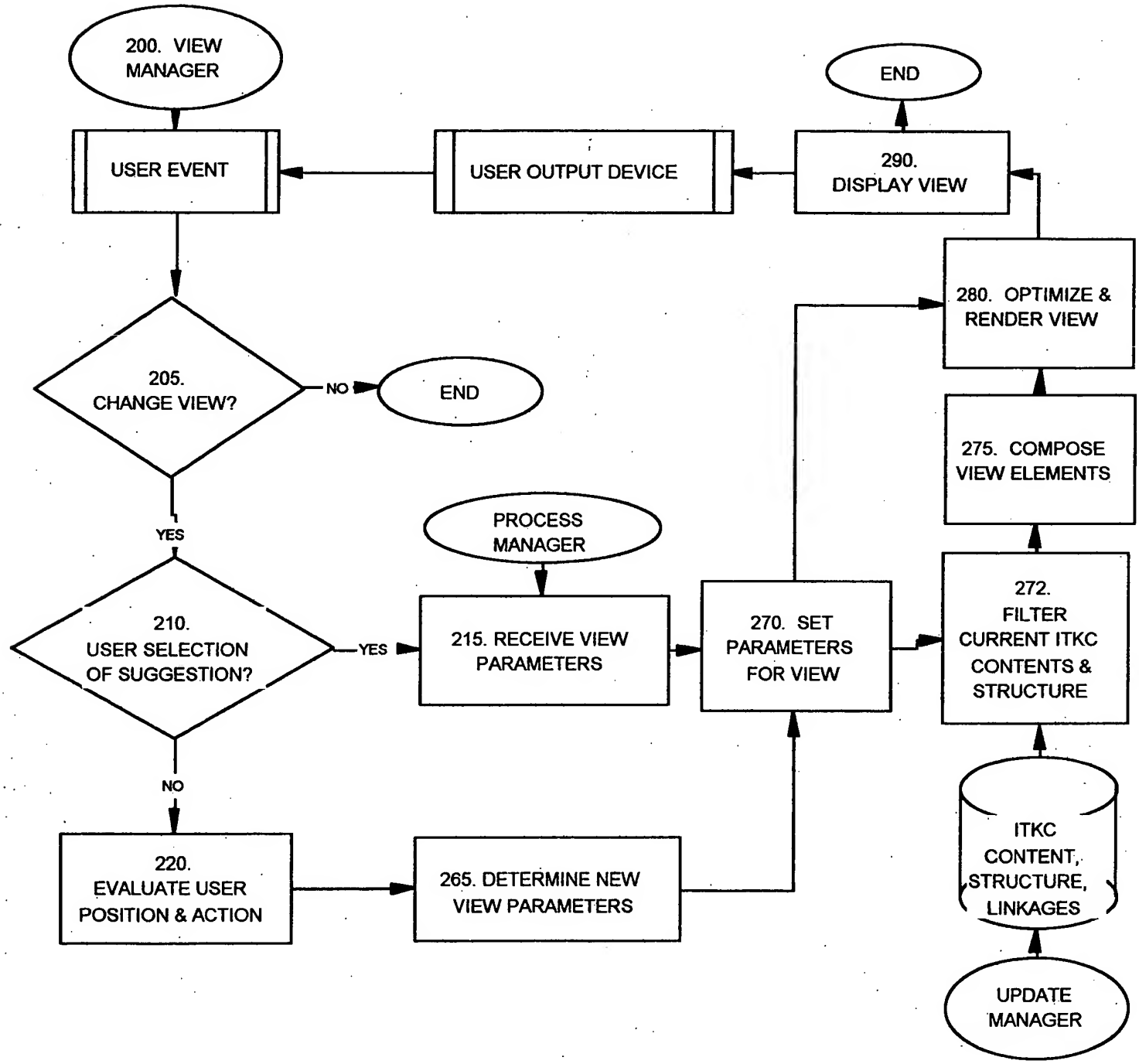

200. VIEW MANAGER
USER EVENT
USER OUTPUT DEVICE
290. DISPLAY VIEW
END
205. CHANGE VIEW?
NO
END
YES
210. USER SELECTION OF SUGGESTION?
YES
NO
PROCESS MANAGER
215. RECEIVE VIEW PARAMETERS
270. SET PARAMETERS FOR VIEW
280. OPTIMIZE & RENDER VIEW
275. COMPOSE VIEW ELEMENTS
272. FILTER CURRENT ITKC CONTENTS & STRUCTURE
ITKC CONTENT, STRUCTURE, LINKAGES
UPDATE MANAGER
220. EVALUATE USER POSITION & ACTION
265. DETERMINE NEW VIEW PARAMETERS

FIGURE 3C-10

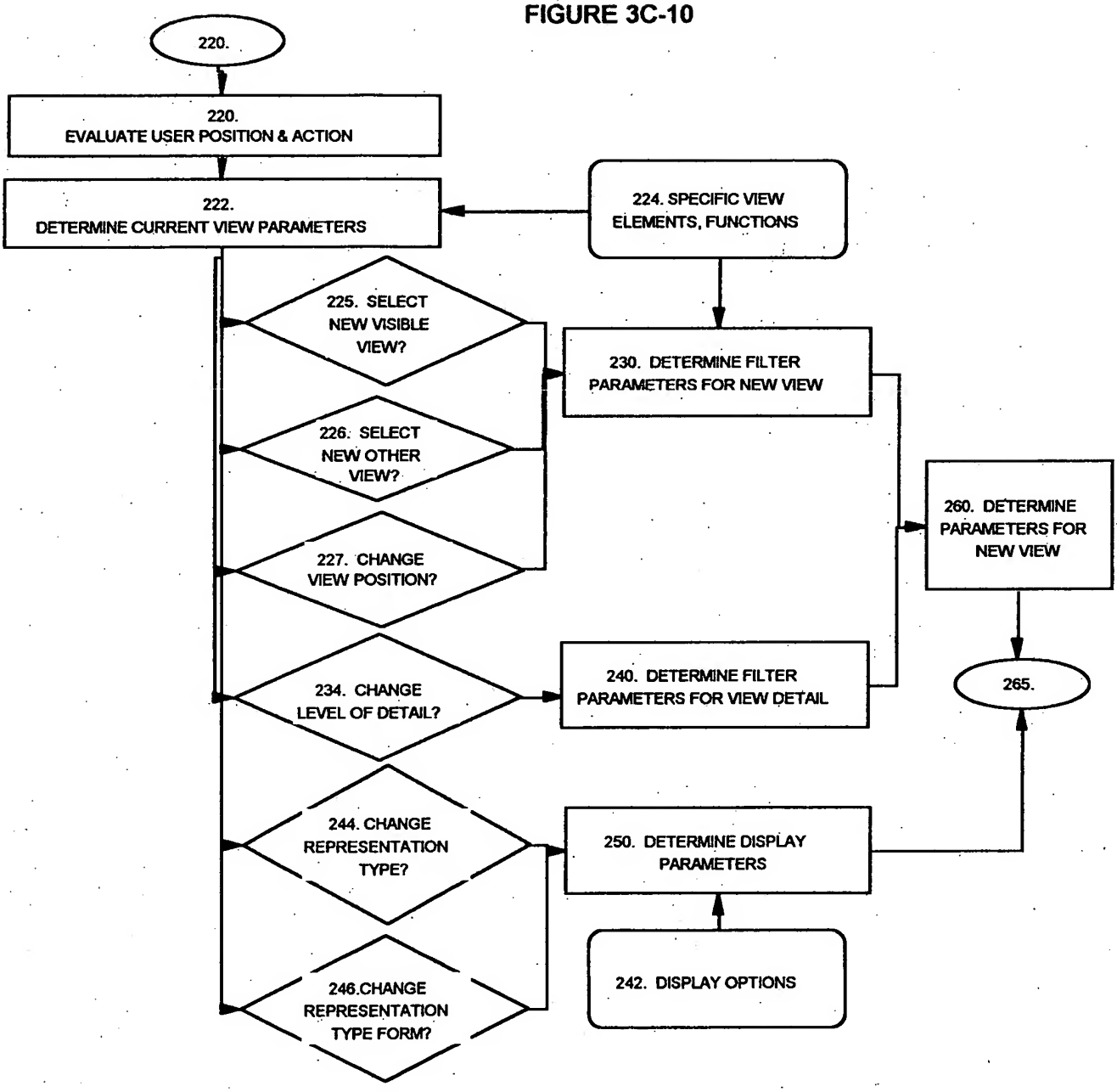

220.
220.
EVALUATE USER POSITION & ACTION
222.
DETERMINE CURRENT VIEW PARAMETERS
224. SPECIFIC VIEW ELEMENTS, FUNCTIONS
225. SELECT NEW VISIBLE VIEW?
226. SELECT NEW OTHER VIEW?
227. CHANGE VIEW POSITION?
230. DETERMINE FILTER PARAMETERS FOR NEW VIEW
260. DETERMINE PARAMETERS FOR NEW VIEW
234. CHANGE LEVEL OF DETAIL?
240. DETERMINE FILTER PARAMETERS FOR VIEW DETAIL
265.
244. CHANGE REPRESENTATION TYPE?
250. DETERMINE DISPLAY PARAMETERS
242. DISPLAY OPTIONS
246.CHANGE REPRESENTATION TYPE FORM?

FIGURE 3C-20

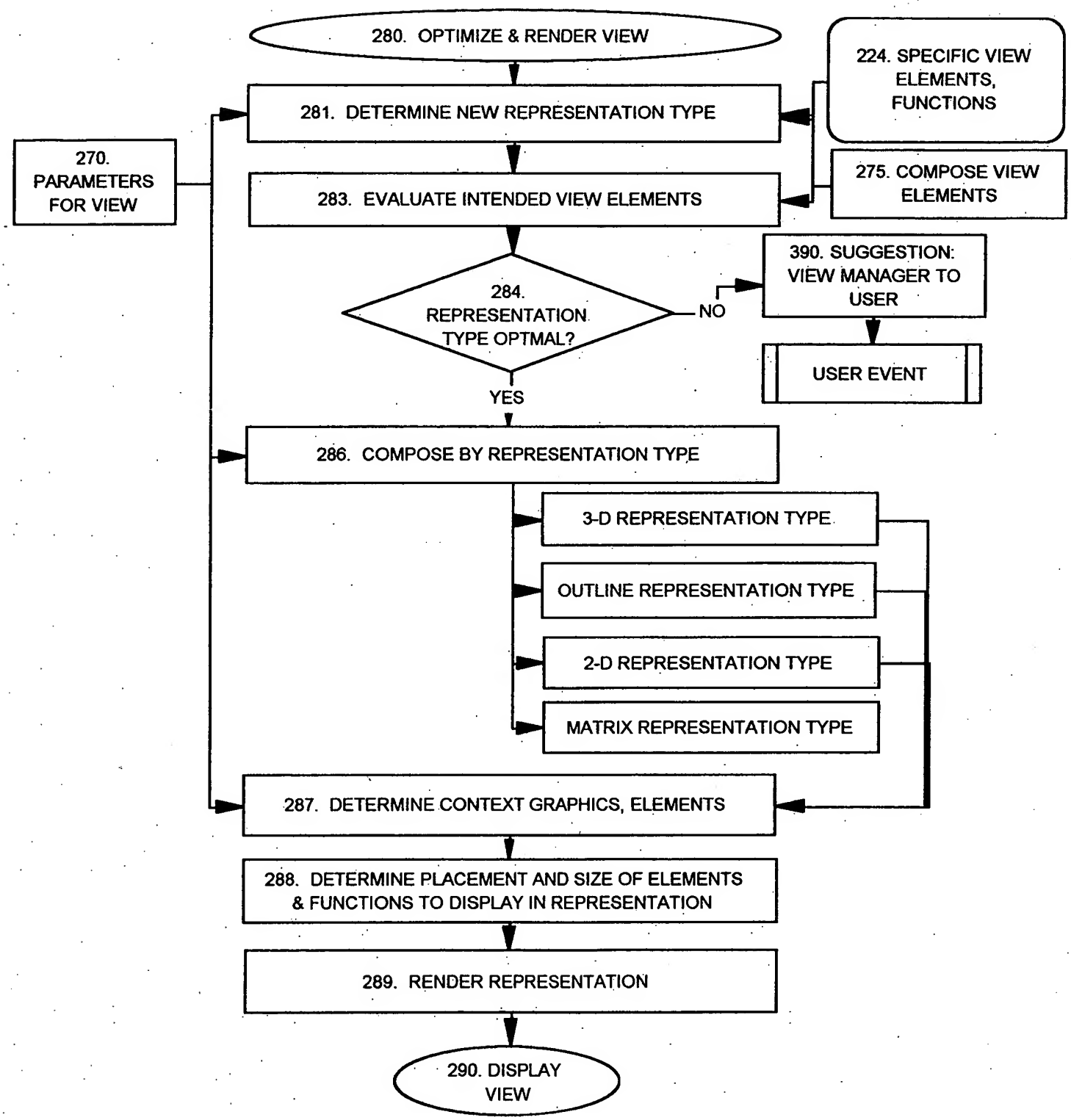

280. OPTIMIZE & RENDER VIEW
224. SPECIFIC VIEW ELEMENTS, FUNCTIONS
281. DETERMINE NEW REPRESENTATION TYPE
270. PARAMETERS FOR VIEW
275. COMPOSE VIEW ELEMENTS
283. EVALUATE INTENDED VIEW ELEMENTS
390. SUGGESTION: VIEW MANAGER TO USER
284. REPRESENTATION TYPE OPTMAL?
NO
USER EVENT
YES
286. COMPOSE BY REPRESENTATION TYPE
3-D REPRESENTATION TYPE
OUTLINE REPRESENTATION TYPE
2-D REPRESENTATION TYPE
MATRIX REPRESENTATION TYPE
287. DETERMINE CONTEXT GRAPHICS, ELEMENTS
288. DETERMINE PLACEMENT AND SIZE OF ELEMENTS & FUNCTIONS TO DISPLAY IN REPRESENTATION
289. RENDER REPRESENTATION
290. DISPLAY VIEW

FIGURE 4A

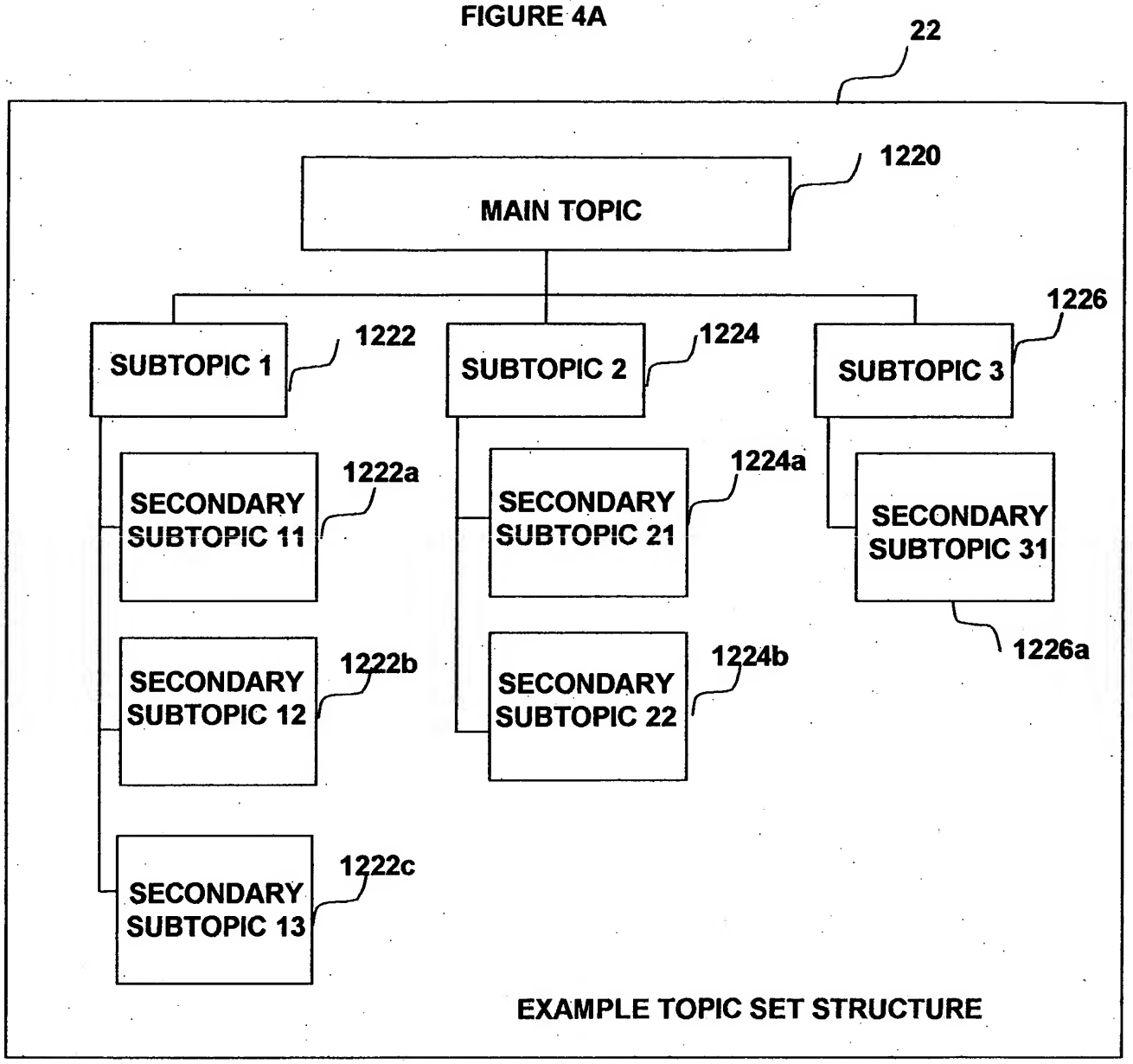

22
1220
MAIN TOPIC
1222
SUBTOPIC 1
1224
SUBTOPIC 2
1226
SUBTOPIC 3
1222a
SECONDARY SUBTOPIC 11
1224a
SECONDARY SUBTOPIC 21
SECONDARY SUBTOPIC 31
1226a
1222b
SECONDARY SUBTOPIC 12
1224b
SECONDARY SUBTOPIC 22
1222c
SECONDARY SUBTOPIC 13
EXAMPLE TOPIC SET STRUCTURE

FIGURE 4A-10

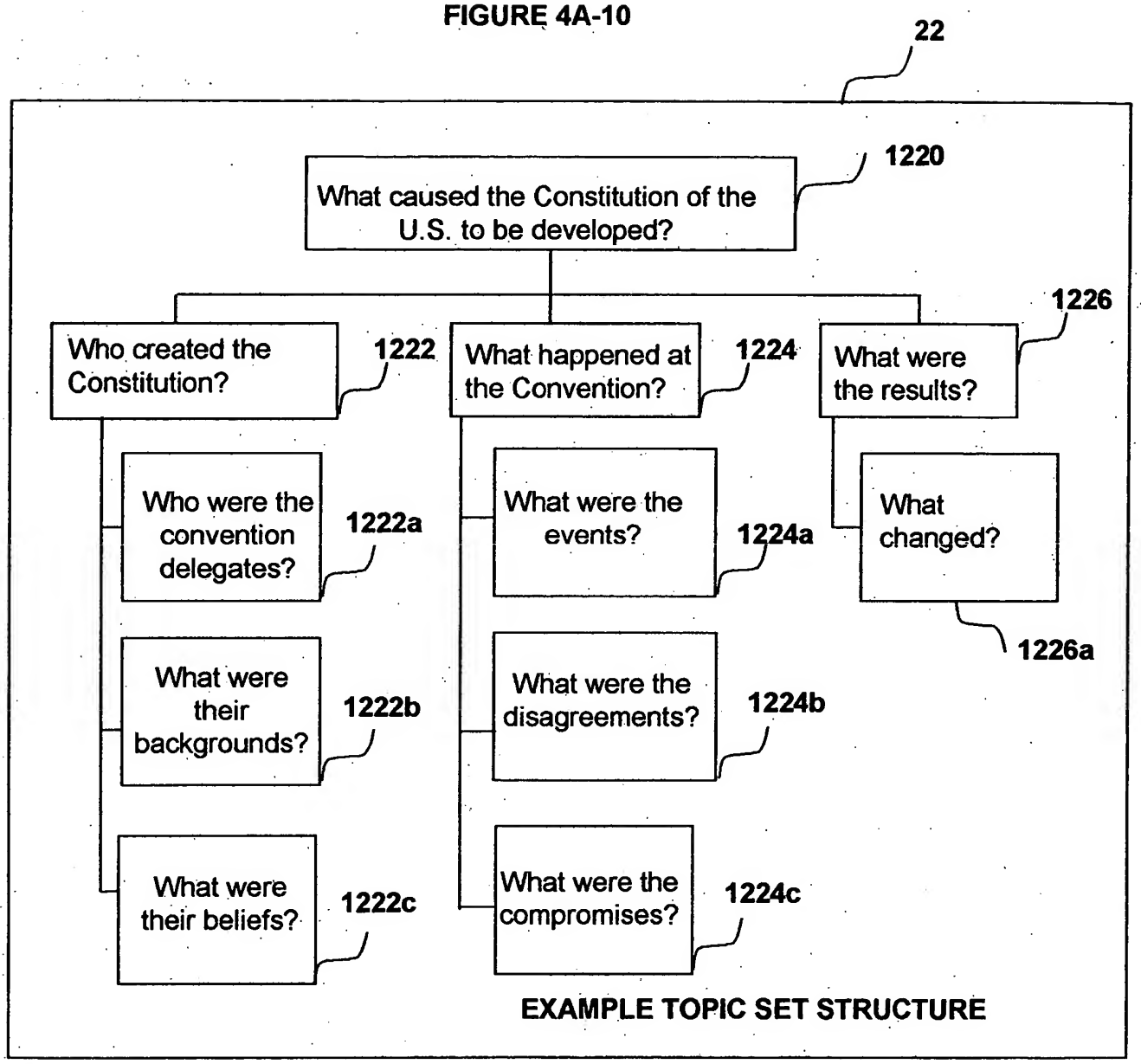

22
1220
What caused the Constitution of the U.S. to be developed?
Who created the Constitution?
1222
What happened at the Convention?
1224
What were the results?
1226
Who were the convention delegates?
1222a
What were their backgrounds?
1222b
What were their beliefs?
1222c
What were the events?
1224a
What were the disagreements?
1224b
What were the compromises?
1224c
What changed?
1226a
EXAMPLE TOPIC SET STRUCTURE

FIGURE 4B

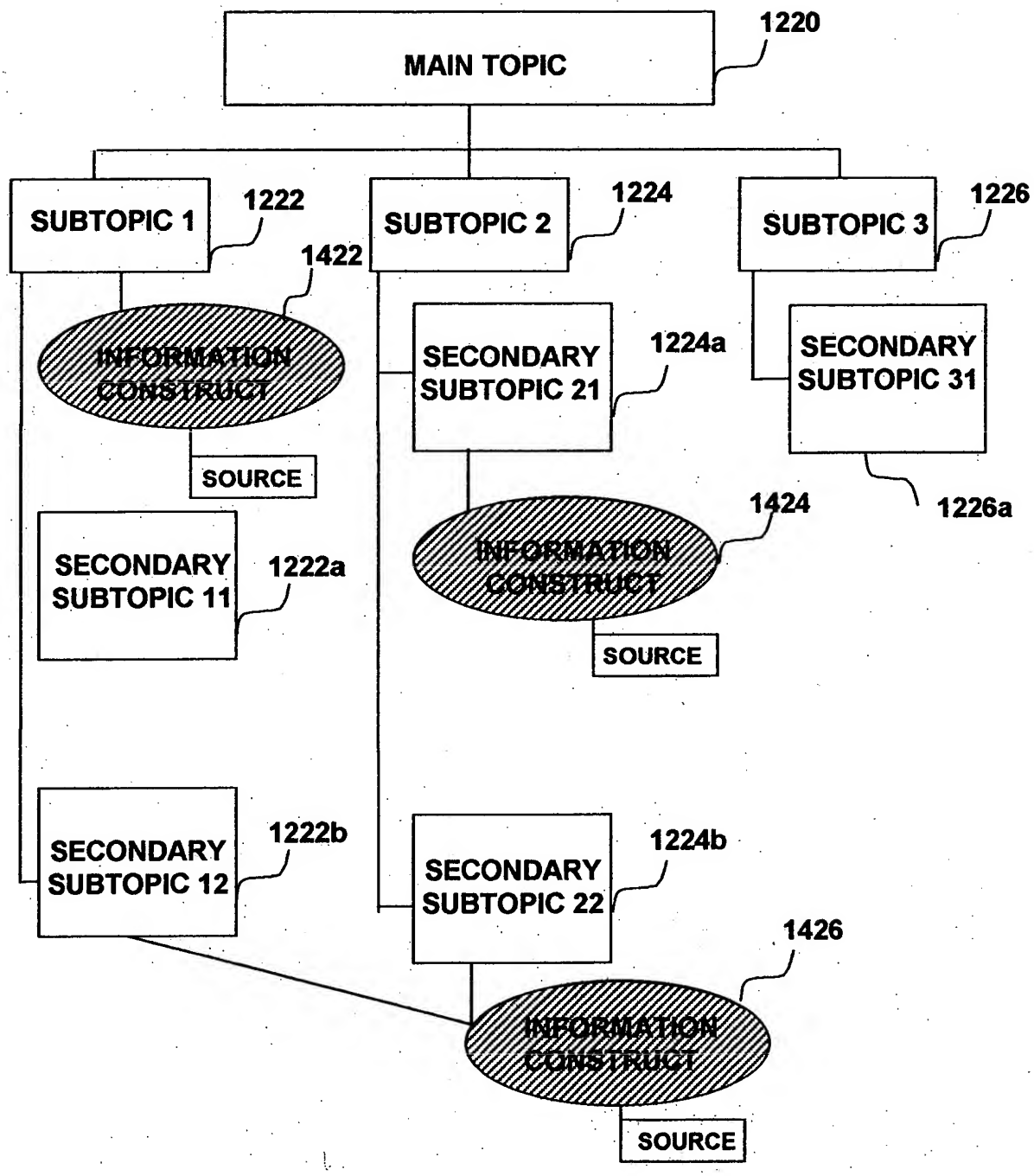

MAIN TOPIC
1220
SUBTOPIC 1
1222
SUBTOPIC 2
1224
SUBTOPIC 3
1226
1422
INFORMATION CONSTRUCT
SOURCE
SECONDARY SUBTOPIC 21
1224a
SECONDARY SUBTOPIC 31
1226a
SECONDARY SUBTOPIC 11
1222a
1424
INFORMATION CONSTRUCT
SOURCE
SECONDARY SUBTOPIC 12
1222b
SECONDARY SUBTOPIC 22
1224b
1426
INFORMATION CONSTRUCT
SOURCE

FIGURE 4C

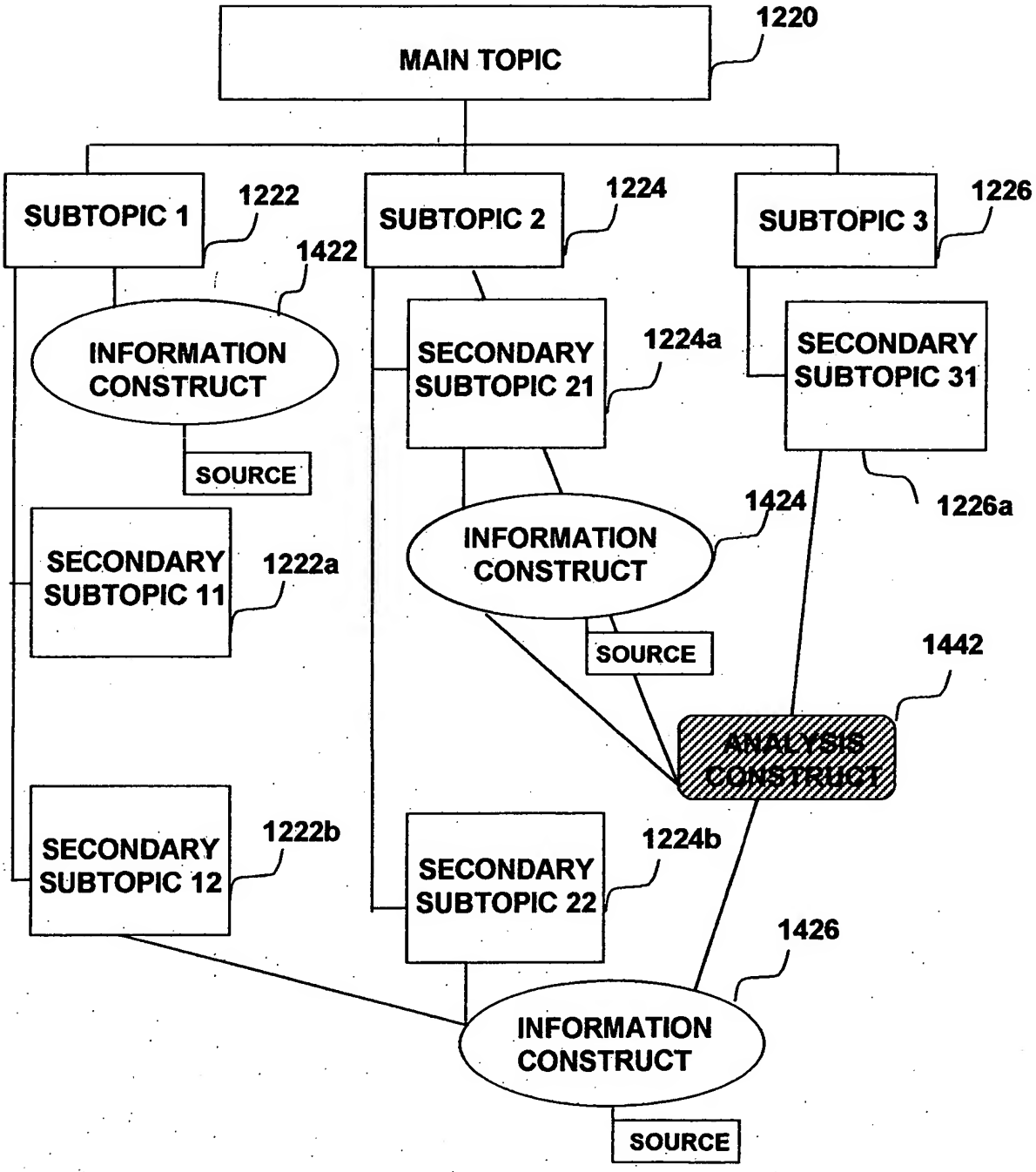

MAIN TOPIC
1220
SUBTOPIC 1
1222
SUBTOPIC 2
1224
SUBTOPIC 3
1226
1422
INFORMATION CONSTRUCT
SOURCE
SECONDARY SUBTOPIC 21
1224a
SECONDARY SUBTOPIC 31
1226a
SECONDARY SUBTOPIC 11
1222a
INFORMATION CONSTRUCT
1424
SOURCE
1442
ANALYSIS CONSTRUCT
SECONDARY SUBTOPIC 12
1222b
SECONDARY SUBTOPIC 22
1224b
1426
INFORMATION CONSTRUCT
SOURCE

FIGURE 4D

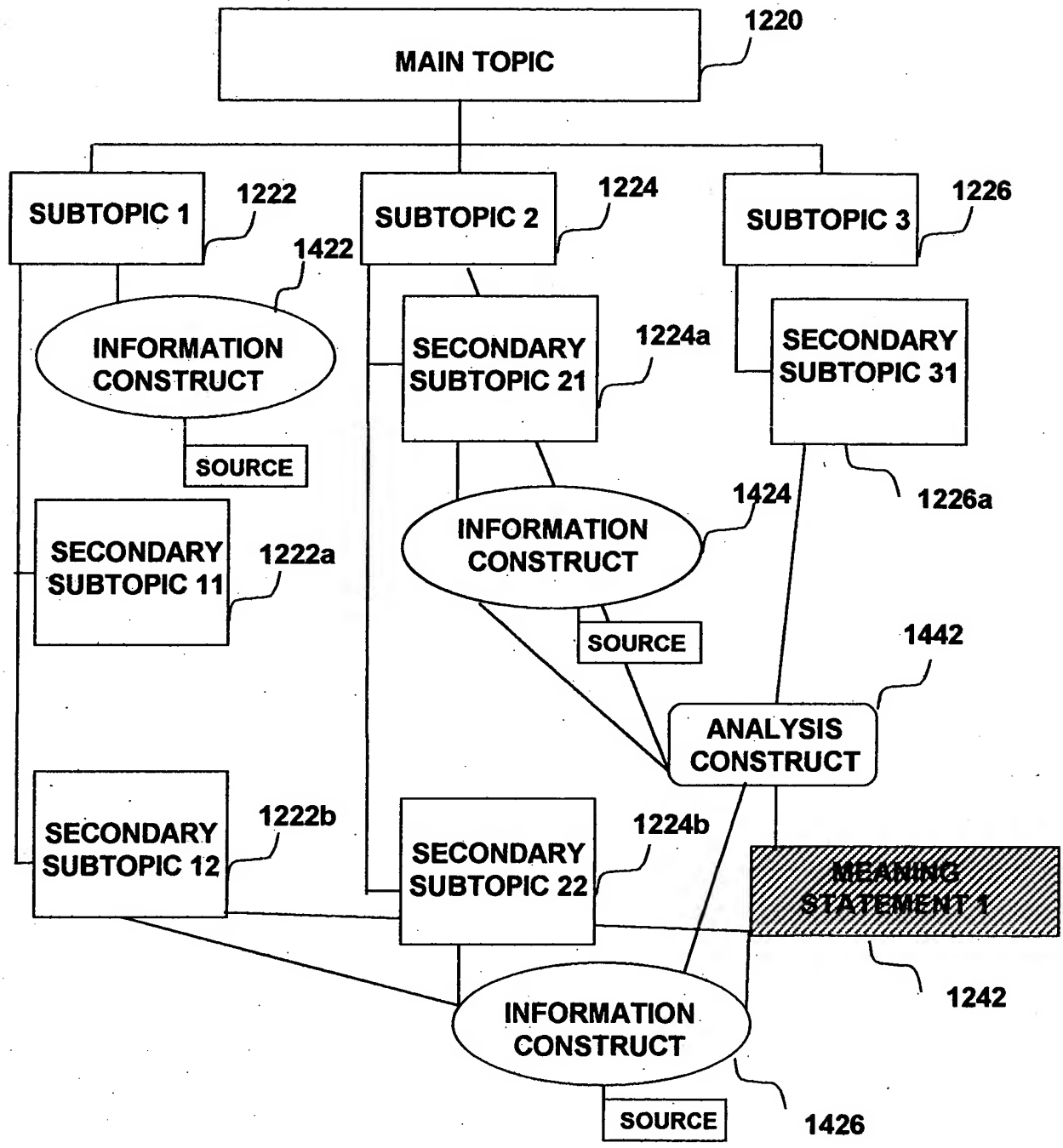

MAIN TOPIC
1220
SUBTOPIC 1
1222
SUBTOPIC 2
1224
SUBTOPIC 3
1226
1422
INFORMATION CONSTRUCT
SOURCE
SECONDARY SUBTOPIC 21
1224a
SECONDARY SUBTOPIC 31
1226a
1424
INFORMATION CONSTRUCT
SOURCE
SECONDARY SUBTOPIC 11
1222a
1442
ANALYSIS CONSTRUCT
SECONDARY SUBTOPIC 12
1222b
SECONDARY SUBTOPIC 22
1224b
MEANING STATEMENT 1
1242
INFORMATION CONSTRUCT
SOURCE
1426

FIGURE 4E

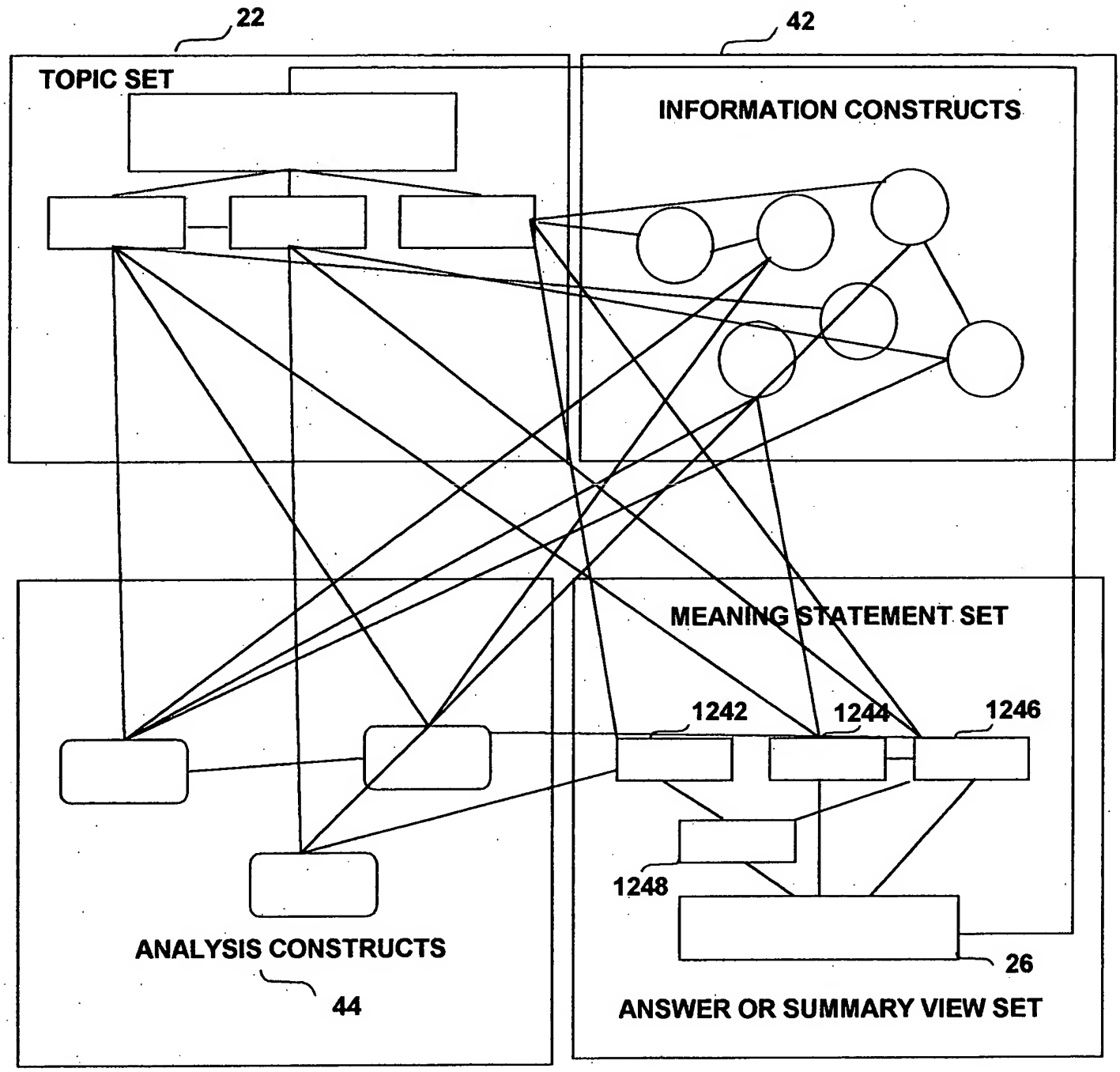

22
TOPIC SET
42
INFORMATION CONSTRUCTS
MEANING STATEMENT SET
1242
1244
1246
1248
26
ANALYSIS CONSTRUCTS
44
ANSWER OR SUMMARY VIEW SET

FIGURE 5

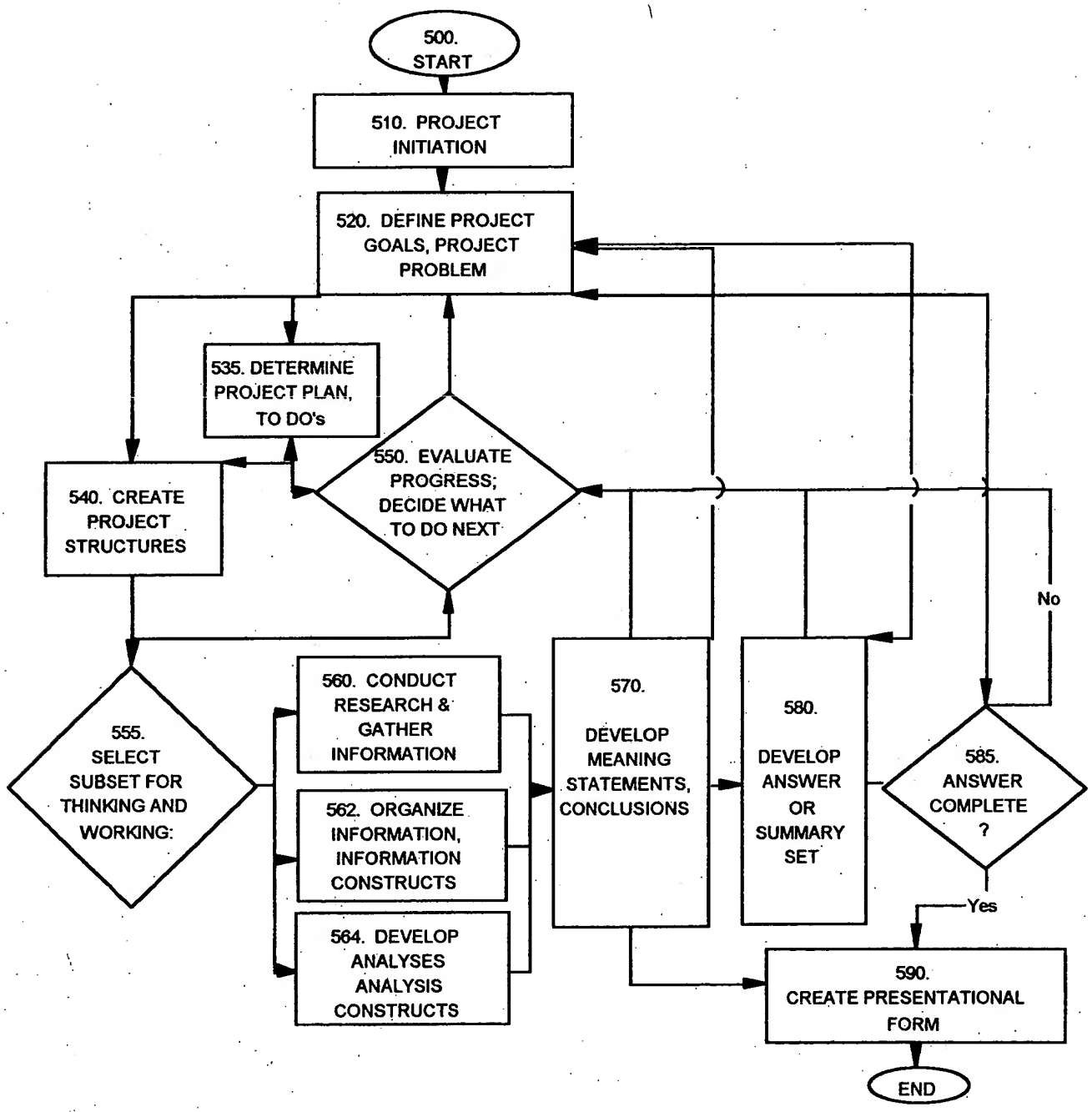

500. START
510. PROJECT INITIATION
520. DEFINE PROJECT GOALS, PROJECT PROBLEM
535. DETERMINE PROJECT PLAN, TO DO's
540. CREATE PROJECT STRUCTURES
550. EVALUATE PROGRESS; DECIDE WHAT TO DO NEXT
555. SELECT SUBSET FOR THINKING AND WORKING:
560. CONDUCT RESEARCH & GATHER INFORMATION
562. ORGANIZE INFORMATION, INFORMATION CONSTRUCTS
564. DEVELOP ANALYSES ANALYSIS CONSTRUCTS
570. DEVELOP MEANING STATEMENTS, CONCLUSIONS
580. DEVELOP ANSWER OR SUMMARY SET
585. ANSWER COMPLETE ?
No
Yes
590. CREATE PRESENTATIONAL FORM
END

FIGURE 5A

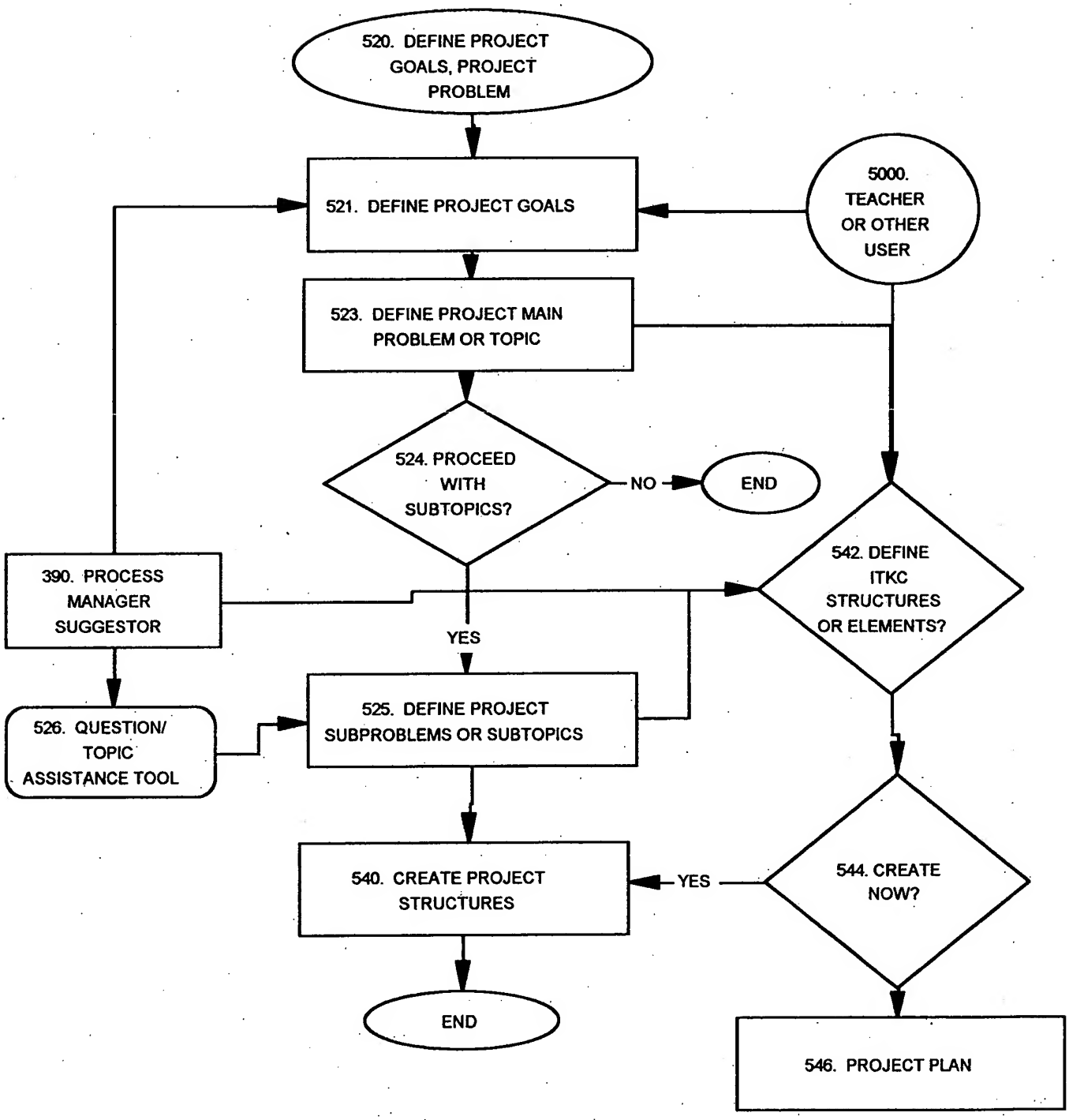

520. DEFINE PROJECT GOALS, PROJECT PROBLEM
521. DEFINE PROJECT GOALS
5000. TEACHER OR OTHER USER
523. DEFINE PROJECT MAIN PROBLEM OR TOPIC
524. PROCEED WITH SUBTOPICS?
NO
END
390. PROCESS MANAGER SUGGESTOR
542. DEFINE ITKC STRUCTURES OR ELEMENTS?
YES
526. QUESTION/ TOPIC ASSISTANCE TOOL
525. DEFINE PROJECT SUBPROBLEMS OR SUBTOPICS
544. CREATE NOW?
540. CREATE PROJECT STRUCTURES
YES
END
546. PROJECT PLAN

FIGURE 5B

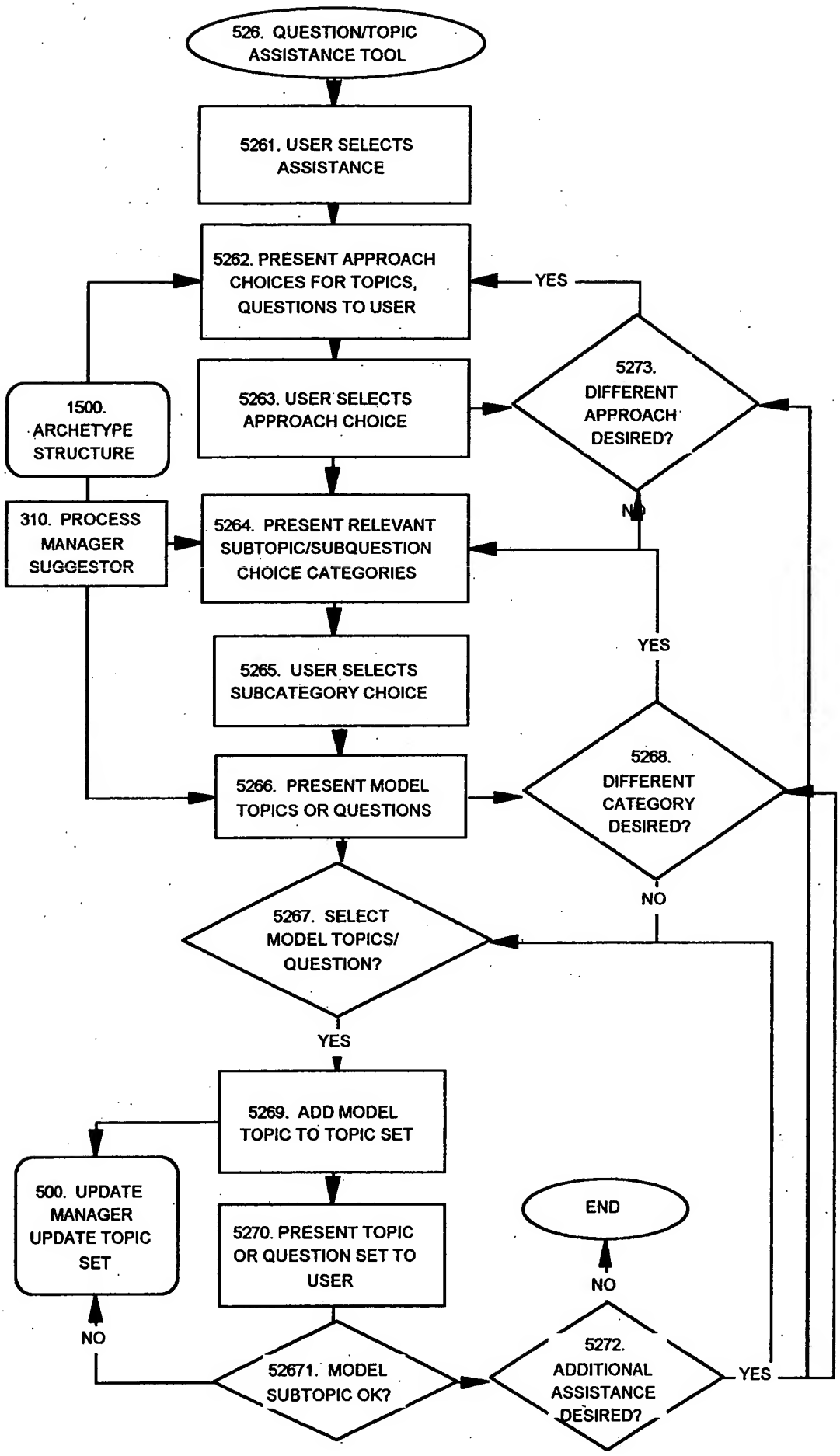

526. QUESTION/TOPIC ASSISTANCE TOOL
5261. USER SELECTS ASSISTANCE
5262. PRESENT APPROACH CHOICES FOR TOPICS, QUESTIONS TO USER
YES
5273. DIFFERENT APPROACH DESIRED?
5263. USER SELECTS APPROACH CHOICE
1500. ARCHETYPE STRUCTURE
310. PROCESS MANAGER SUGGESTOR
5264. PRESENT RELEVANT SUBTOPIC/SUBQUESTION CHOICE CATEGORIES
NO
YES
5265. USER SELECTS SUBCATEGORY CHOICE
5268. DIFFERENT CATEGORY DESIRED?
5266. PRESENT MODEL TOPICS OR QUESTIONS
NO
5267. SELECT MODEL TOPICS/ QUESTION?
YES
5269. ADD MODEL TOPIC TO TOPIC SET
500. UPDATE MANAGER UPDATE TOPIC SET
5270. PRESENT TOPIC OR QUESTION SET TO USER
END
NO
NO
52671. MODEL SUBTOPIC OK?
5272. ADDITIONAL ASSISTANCE DESIRED?
YES

FIGURE 5B-10

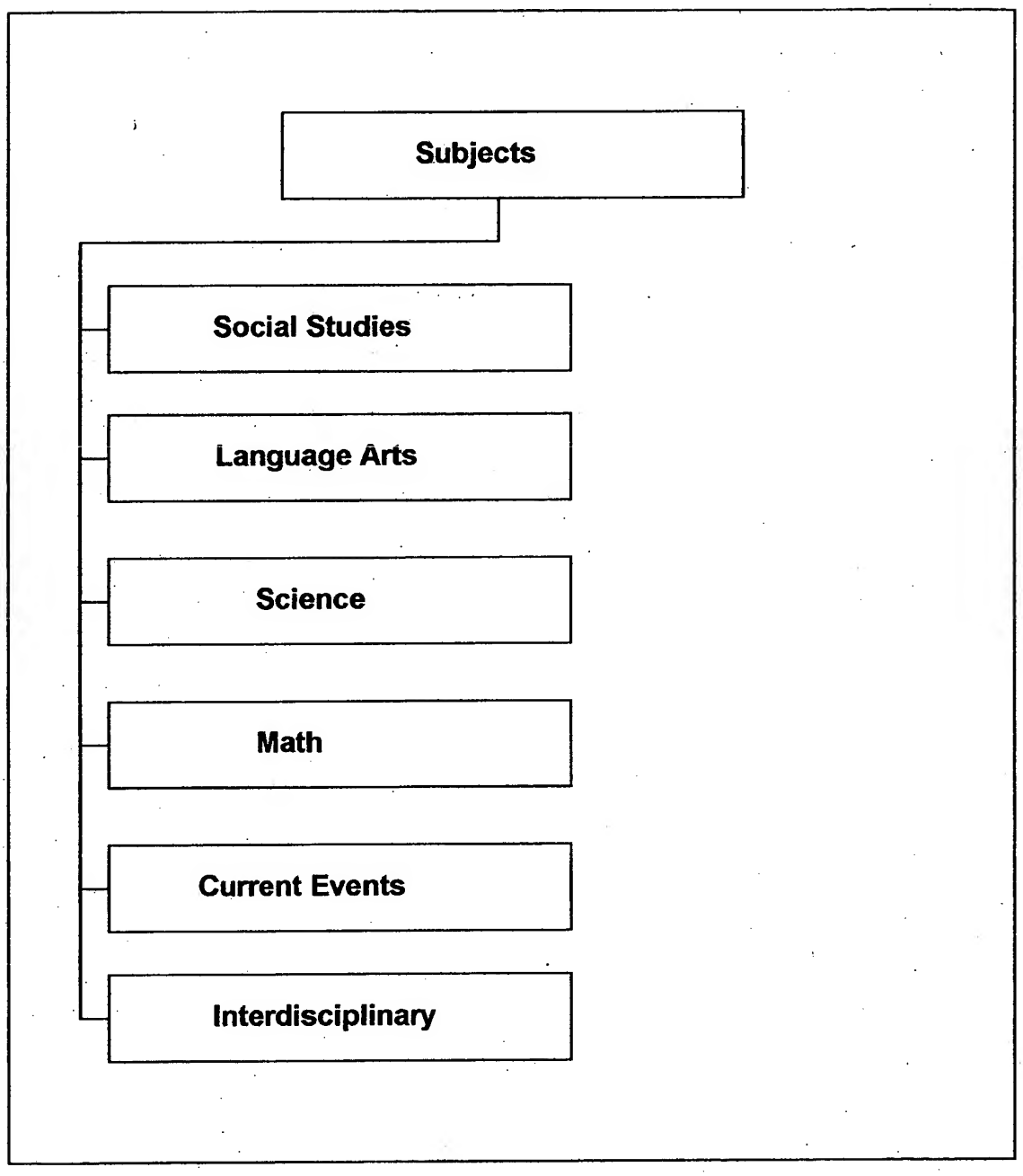

Subjects
Social Studies
Language Arts
Science
Math
Current Events
Interdisciplinary

FIGURE 5B-20

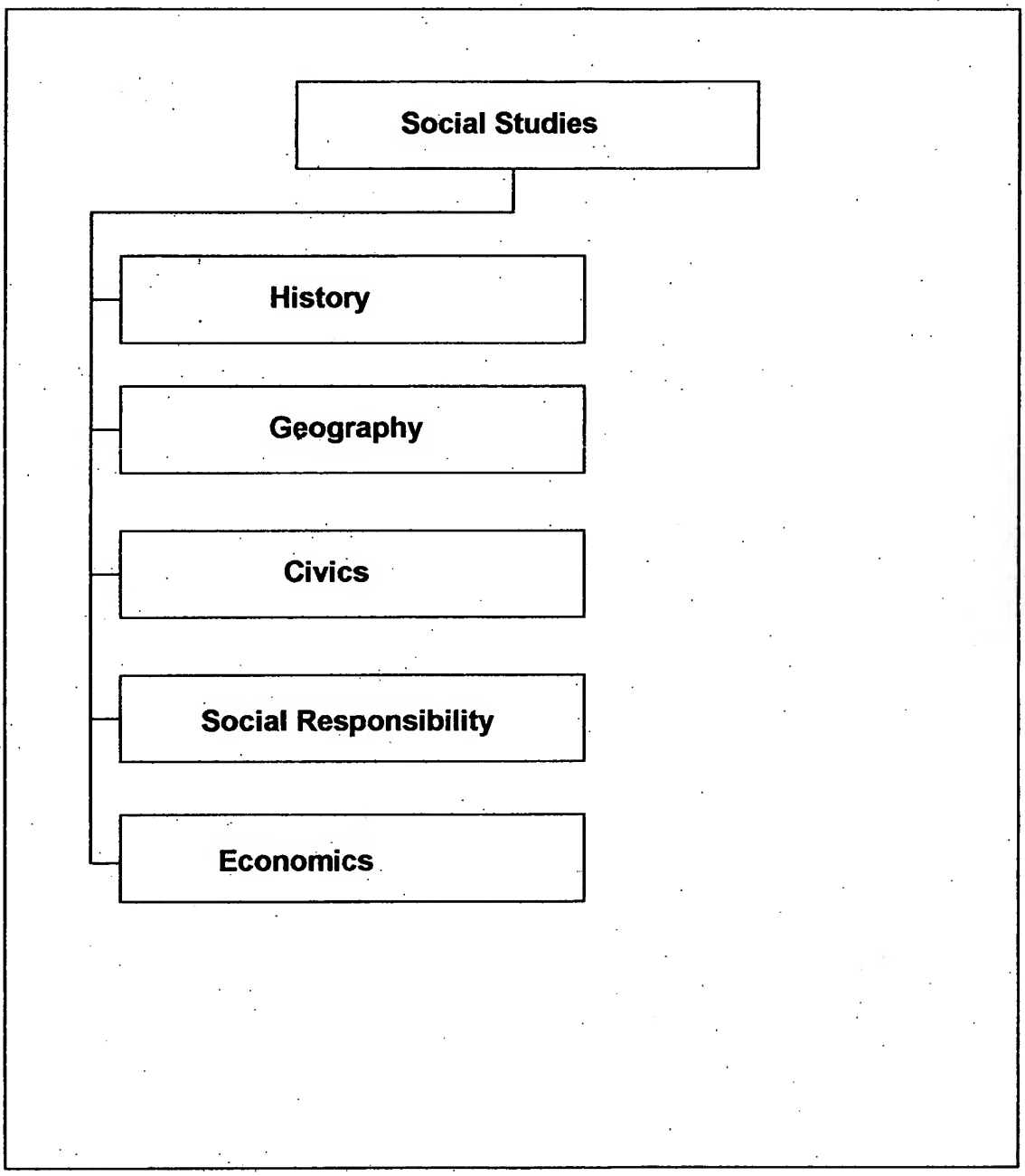

Social Studies
History
Geography
Civics
Social Responsibility
Economics

FIGURE 5B-30

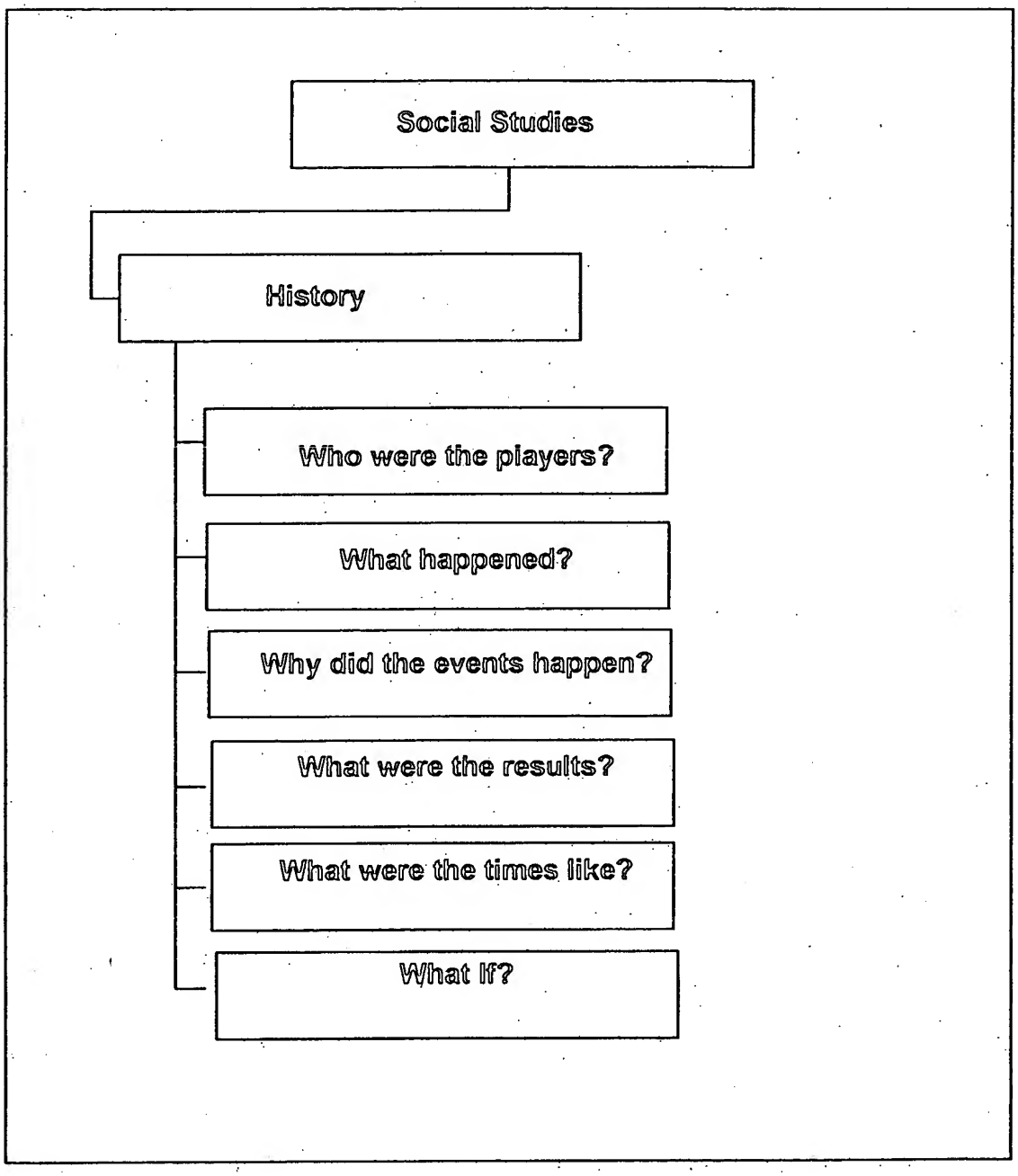

Social Studies
History
Who were the players?
What happened?
Why did the events happen?
What were the results?
What were the times like?
What If?

FIGURE 5B-40

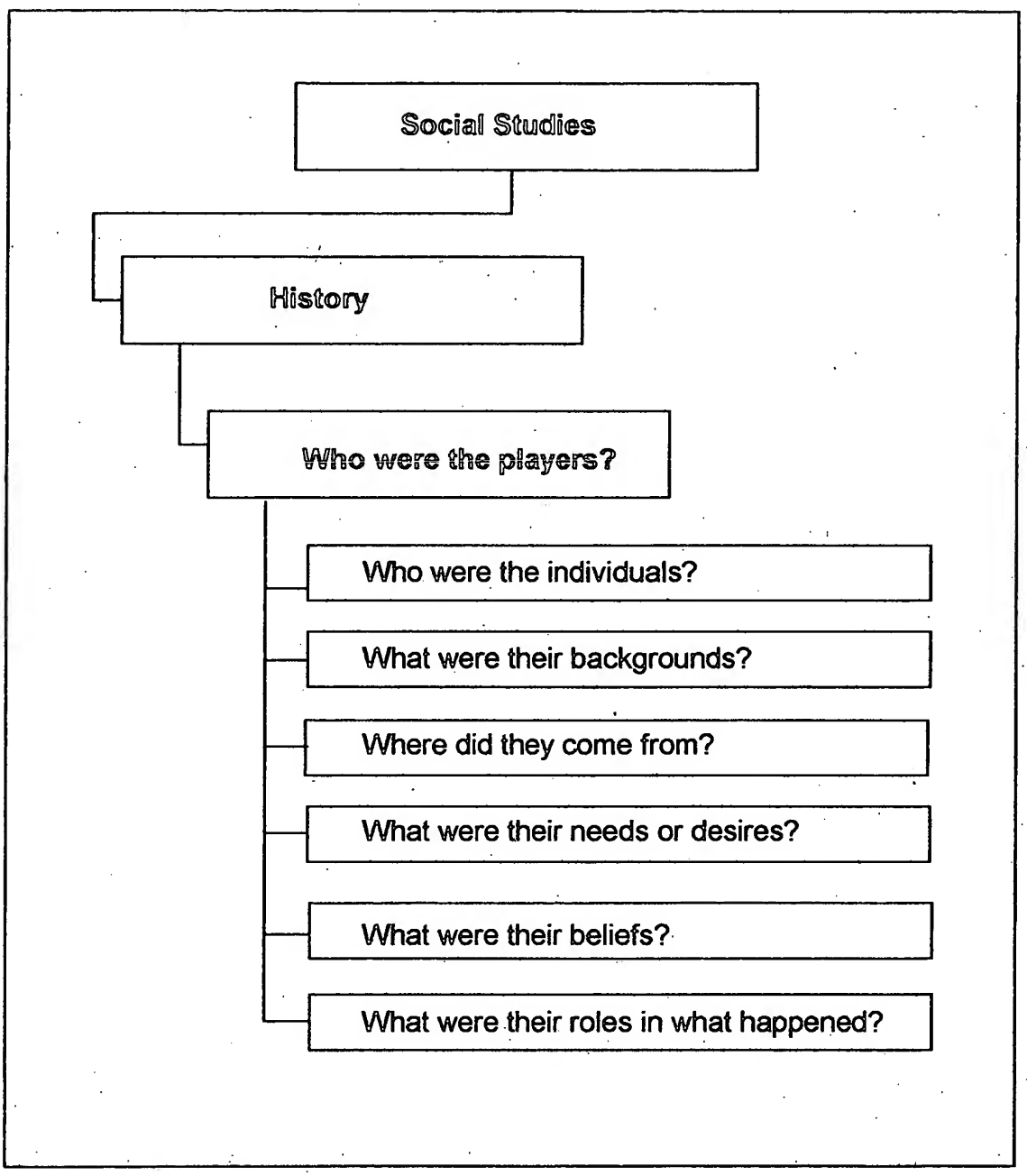

Social Studies
History
Who were the players?
Who were the individuals?
What were their backgrounds?
Where did they come from?
What were their needs or desires?
What were their beliefs?
What were their roles in what happened?

FIGURE 5C

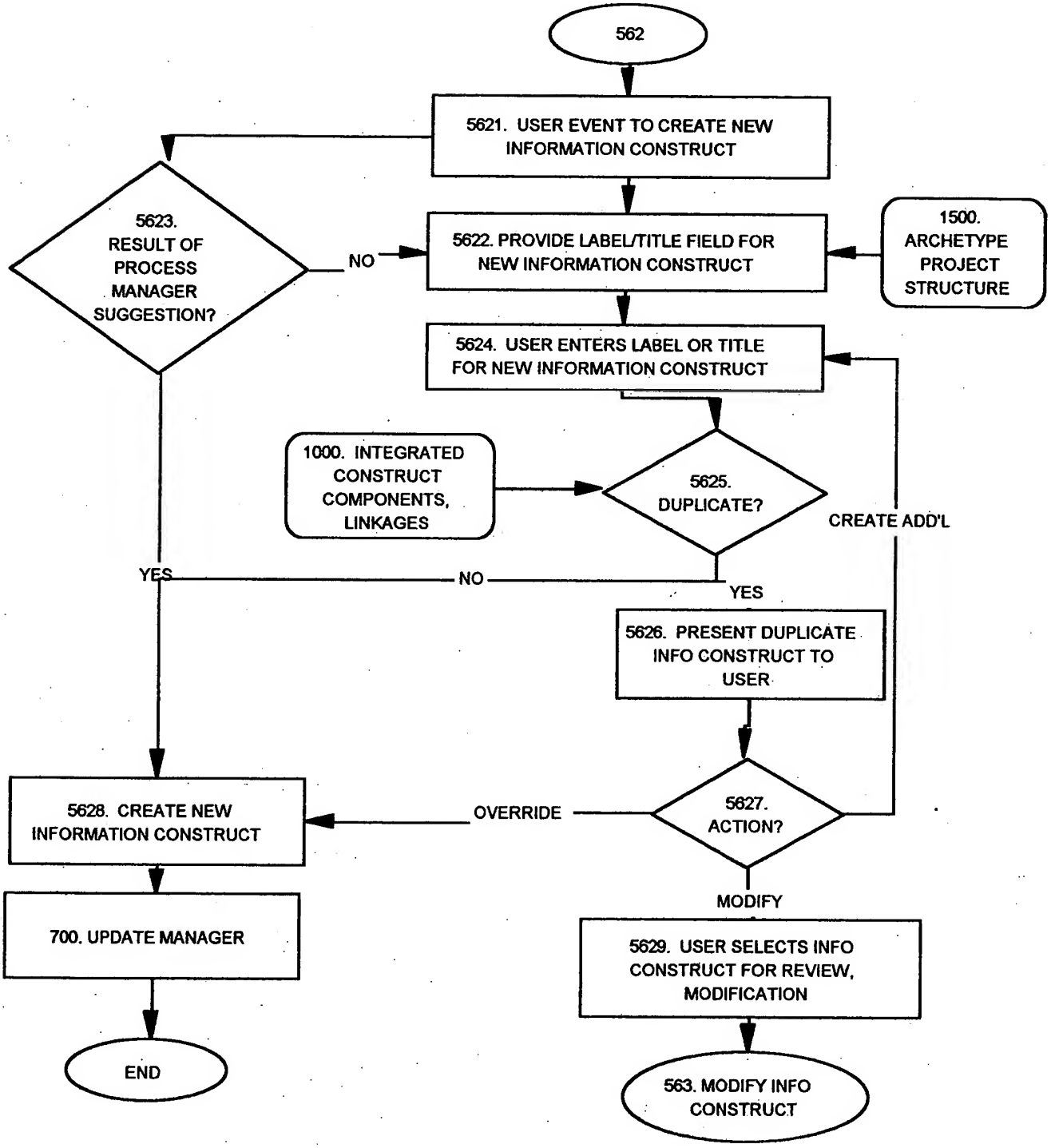

562
5621. USER EVENT TO CREATE NEW INFORMATION CONSTRUCT
5623. RESULT OF PROCESS MANAGER SUGGESTION?
NO
5622. PROVIDE LABEL/TITLE FIELD FOR NEW INFORMATION CONSTRUCT
1500. ARCHETYPE PROJECT STRUCTURE
5624. USER ENTERS LABEL OR TITLE FOR NEW INFORMATION CONSTRUCT
1000. INTEGRATED CONSTRUCT COMPONENTS, LINKAGES
5625. DUPLICATE?
CREATE ADD'L
YES
NO
YES
5626. PRESENT DUPLICATE INFO CONSTRUCT TO USER
5628. CREATE NEW INFORMATION CONSTRUCT
OVERRIDE
5627. ACTION?
MODIFY
700. UPDATE MANAGER
5629. USER SELECTS INFO CONSTRUCT FOR REVIEW, MODIFICATION
END
563. MODIFY INFO CONSTRUCT

FIGURE 5D

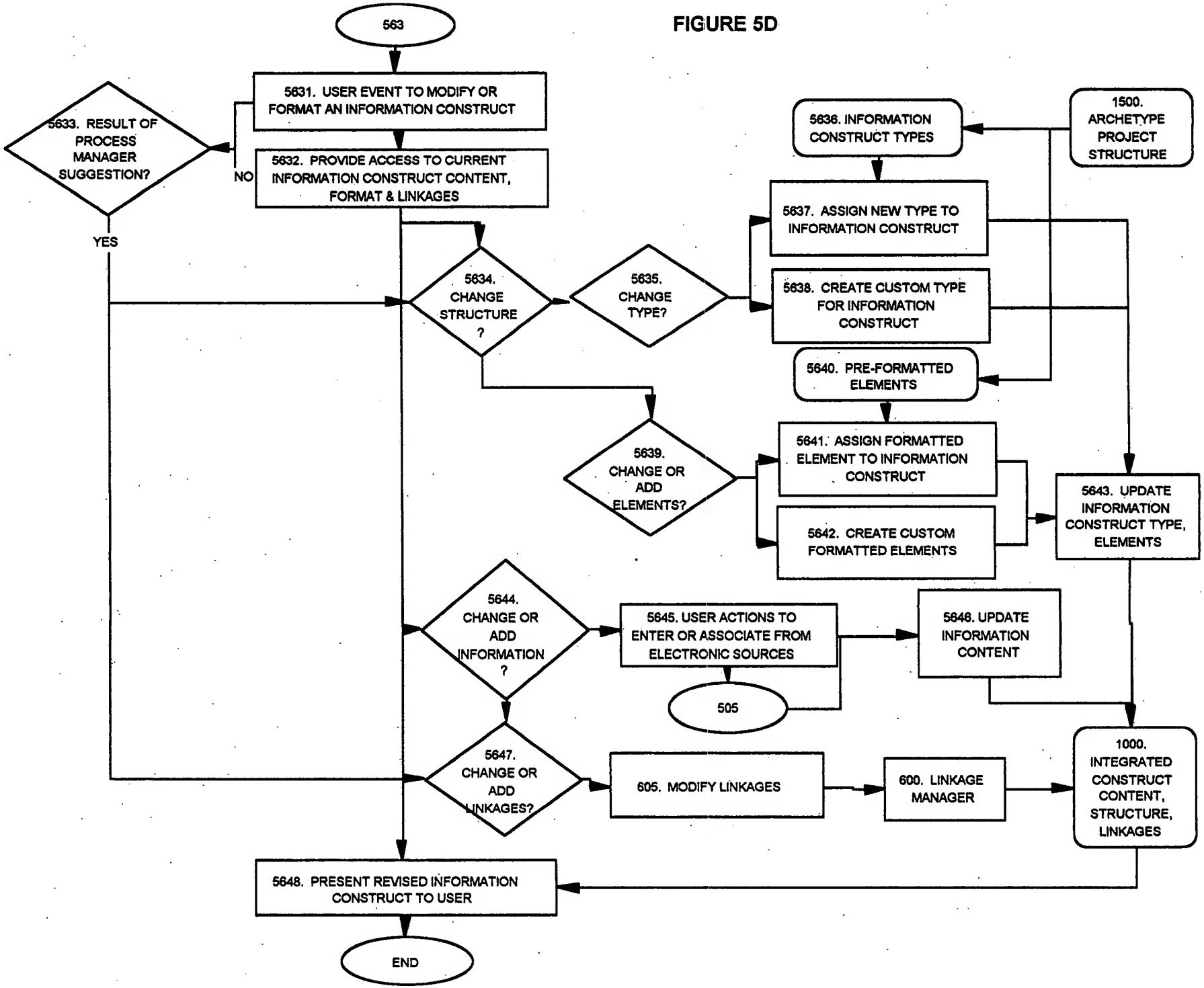

563
5631. USER EVENT TO MODIFY OR FORMAT AN INFORMATION CONSTRUCT
5633. RESULT OF PROCESS MANAGER SUGGESTION?
NO
5632. PROVIDE ACCESS TO CURRENT INFORMATION CONSTRUCT CONTENT, FORMAT & LINKAGES
YES
5634. CHANGE STRUCTURE ?
5635. CHANGE TYPE?
5636. INFORMATION CONSTRUCT TYPES
1500. ARCHETYPE PROJECT STRUCTURE
5637. ASSIGN NEW TYPE TO INFORMATION CONSTRUCT
5638. CREATE CUSTOM TYPE FOR INFORMATION CONSTRUCT
5640. PRE-FORMATTED ELEMENTS
5639. CHANGE OR ADD ELEMENTS?
5641. ASSIGN FORMATTED ELEMENT TO INFORMATION CONSTRUCT
5642. CREATE CUSTOM FORMATTED ELEMENTS
5643. UPDATE INFORMATION CONSTRUCT TYPE, ELEMENTS
5644. CHANGE OR ADD INFORMATION ?
5645. USER ACTIONS TO ENTER OR ASSOCIATE FROM ELECTRONIC SOURCES
505
5646. UPDATE INFORMATION CONTENT
5647. CHANGE OR ADD LINKAGES?
605. MODIFY LINKAGES
600. LINKAGE MANAGER
1000. INTEGRATED CONSTRUCT CONTENT, STRUCTURE, LINKAGES
5648. PRESENT REVISED INFORMATION CONSTRUCT TO USER
END

FIGURE 5D-10

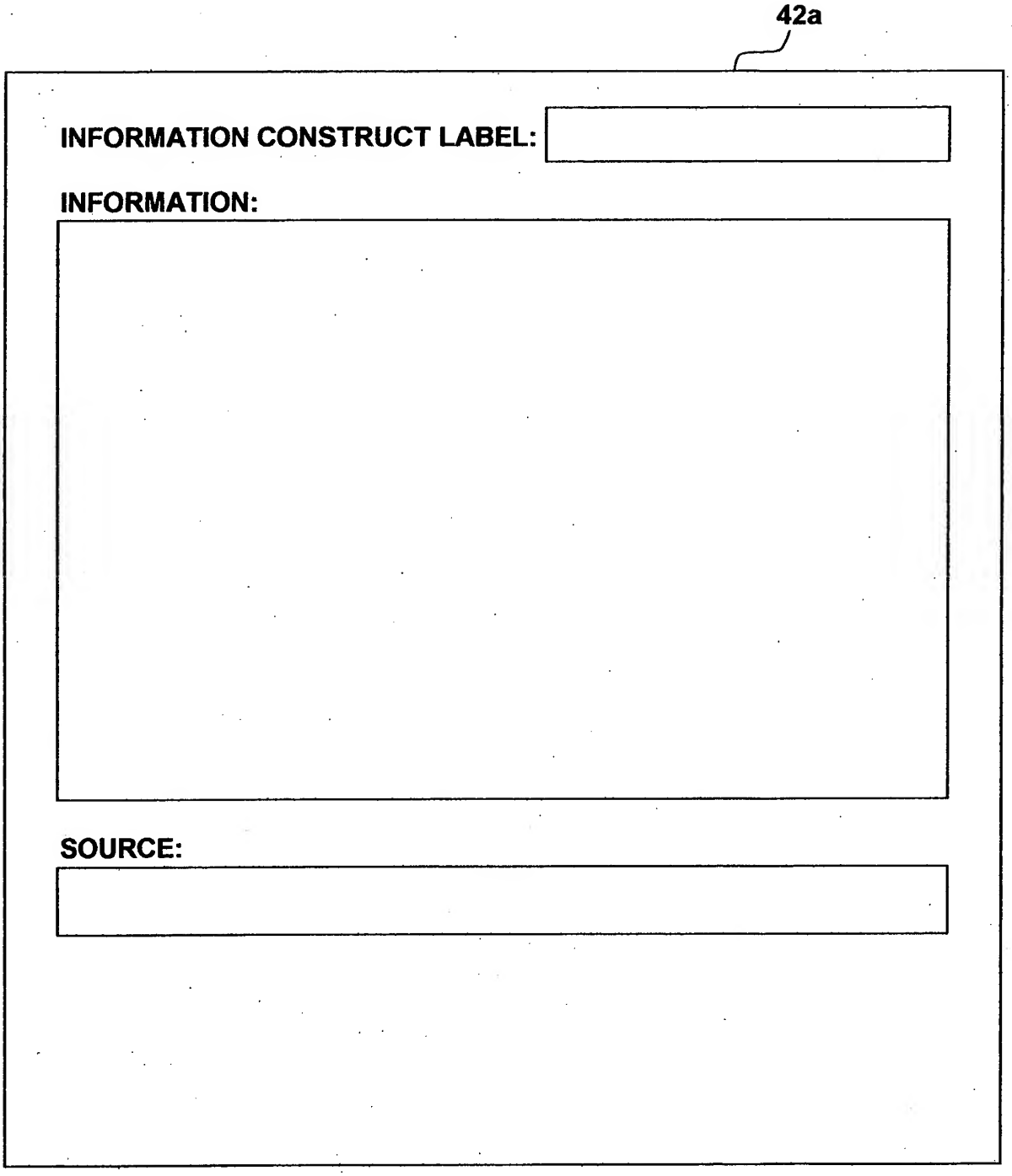


FIGURE 5D-20

42b

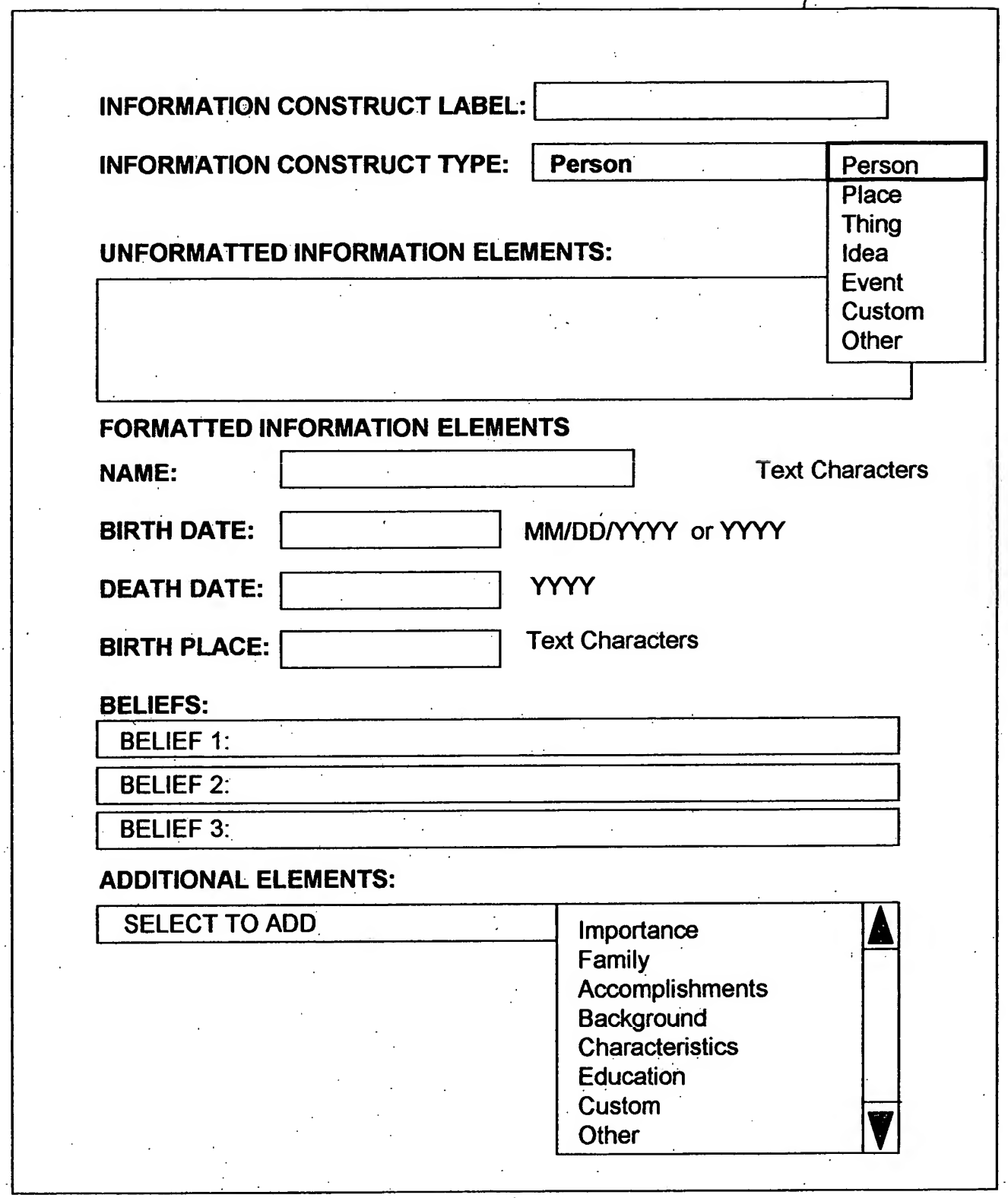


FIGURE 5E

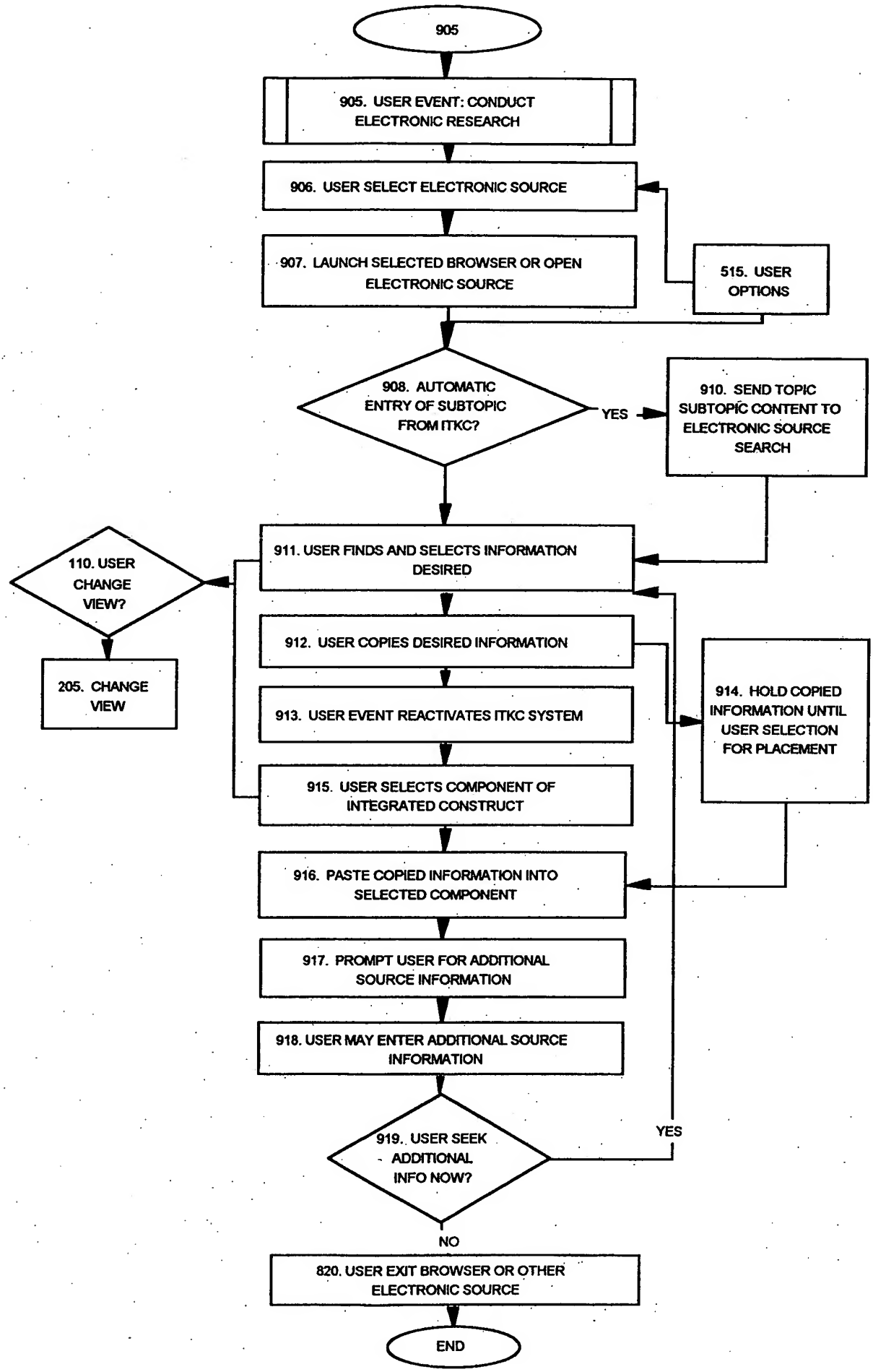

905
905. USER EVENT: CONDUCT ELECTRONIC RESEARCH
906. USER SELECT ELECTRONIC SOURCE
907. LAUNCH SELECTED BROWSER OR OPEN ELECTRONIC SOURCE
515. USER OPTIONS
908. AUTOMATIC ENTRY OF SUBTOPIC FROM ITKC?
YES
910. SEND TOPIC SUBTOPIC CONTENT TO ELECTRONIC SOURCE SEARCH
911. USER FINDS AND SELECTS INFORMATION DESIRED
110. USER CHANGE VIEW?
205. CHANGE VIEW
912. USER COPIES DESIRED INFORMATION
913. USER EVENT REACTIVATES ITKC SYSTEM
914. HOLD COPIED INFORMATION UNTIL USER SELECTION FOR PLACEMENT
915. USER SELECTS COMPONENT OF INTEGRATED CONSTRUCT
916. PASTE COPIED INFORMATION INTO SELECTED COMPONENT
917. PROMPT USER FOR ADDITIONAL SOURCE INFORMATION
918. USER MAY ENTER ADDITIONAL SOURCE INFORMATION
919. USER SEEK ADDITIONAL INFO NOW?
YES
NO
820. USER EXIT BROWSER OR OTHER ELECTRONIC SOURCE
END

FIGURE 5F

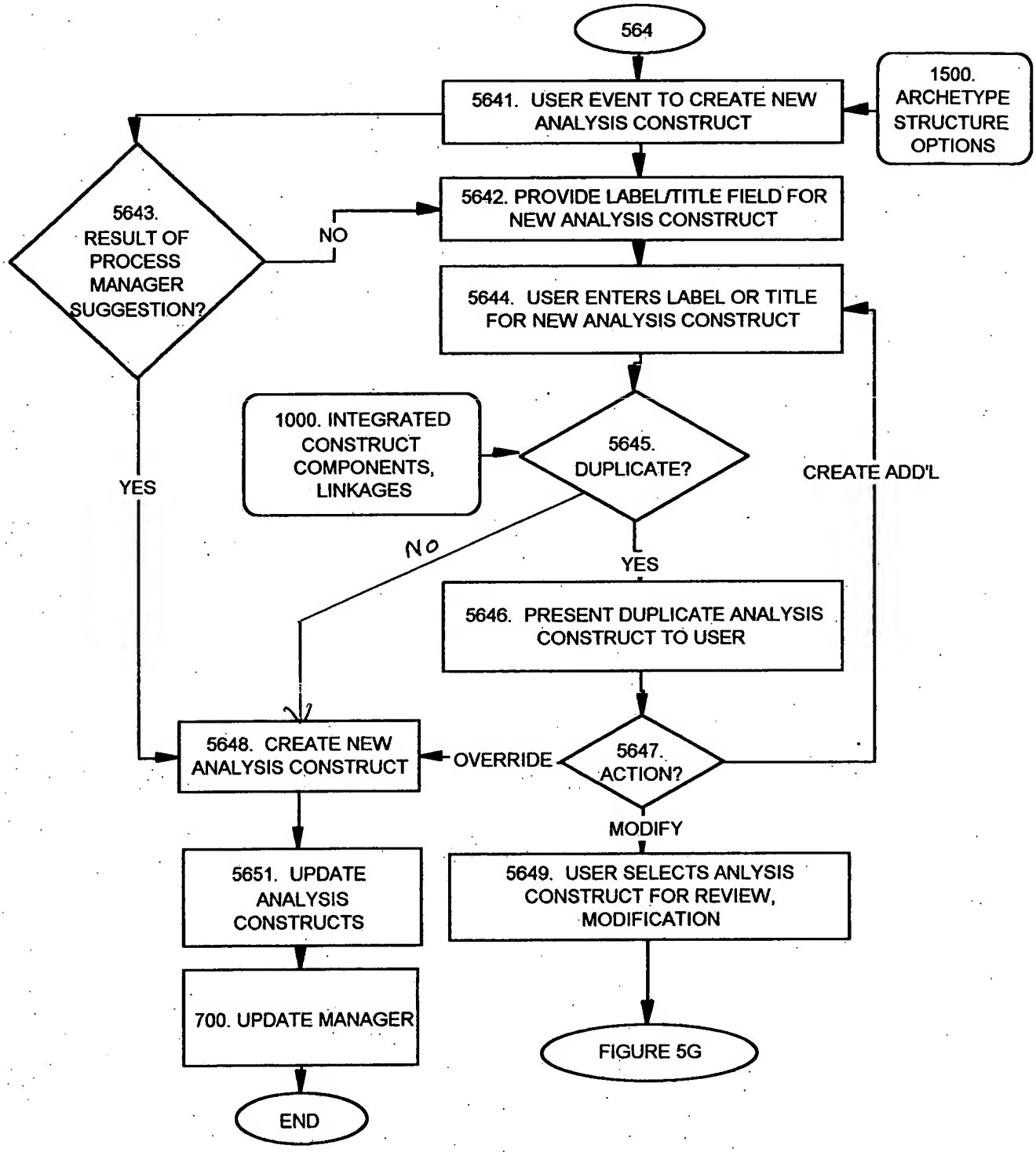

564
5641. USER EVENT TO CREATE NEW ANALYSIS CONSTRUCT
1500. ARCHETYPE STRUCTURE OPTIONS
5643. RESULT OF PROCESS MANAGER SUGGESTION?
NO
5642. PROVIDE LABEL/TITLE FIELD FOR NEW ANALYSIS CONSTRUCT
5644. USER ENTERS LABEL OR TITLE FOR NEW ANALYSIS CONSTRUCT
1000. INTEGRATED CONSTRUCT COMPONENTS, LINKAGES
5645. DUPLICATE?
CREATE ADD'L
YES
NO
YES
5646. PRESENT DUPLICATE ANALYSIS CONSTRUCT TO USER
5648. CREATE NEW ANALYSIS CONSTRUCT
OVERRIDE
5647. ACTION?
MODIFY
5651. UPDATE ANALYSIS CONSTRUCTS
5649. USER SELECTS ANLYSIS CONSTRUCT FOR REVIEW, MODIFICATION
700. UPDATE MANAGER
FIGURE 5G
END

FIGURE 5G

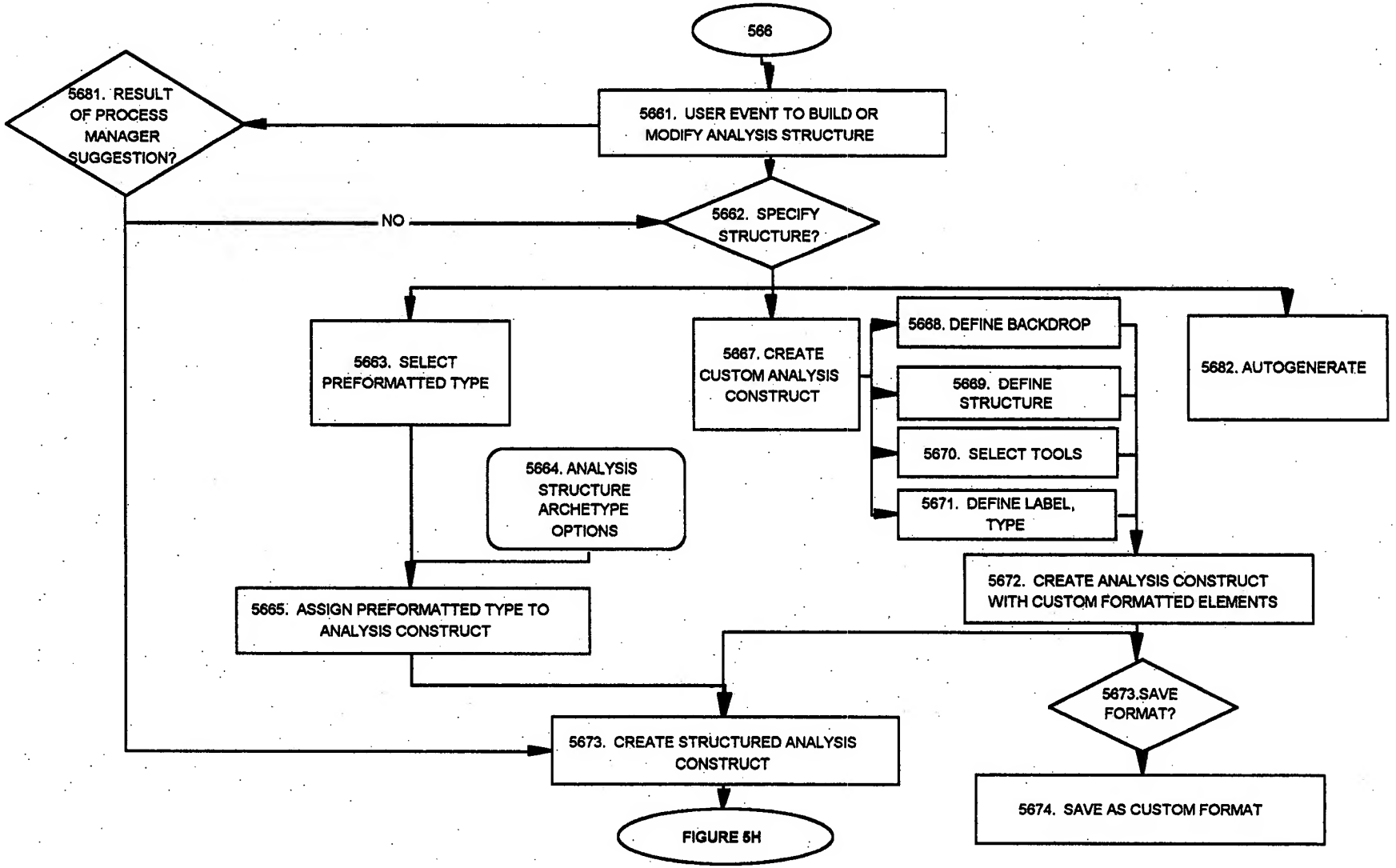

566
5661. USER EVENT TO BUILD OR MODIFY ANALYSIS STRUCTURE
5681. RESULT OF PROCESS MANAGER SUGGESTION?
NO
5662. SPECIFY STRUCTURE?
5663. SELECT PREFORMATTED TYPE
5664. ANALYSIS STRUCTURE ARCHETYPE OPTIONS
5665. ASSIGN PREFORMATTED TYPE TO ANALYSIS CONSTRUCT
5667. CREATE CUSTOM ANALYSIS CONSTRUCT
5668. DEFINE BACKDROP
5669. DEFINE STRUCTURE
5670. SELECT TOOLS
5671. DEFINE LABEL, TYPE
5672. CREATE ANALYSIS CONSTRUCT WITH CUSTOM FORMATTED ELEMENTS
5682. AUTOGENERATE
5673.SAVE FORMAT?
5674. SAVE AS CUSTOM FORMAT
5673. CREATE STRUCTURED ANALYSIS CONSTRUCT
FIGURE 5H

FIGURE 5H

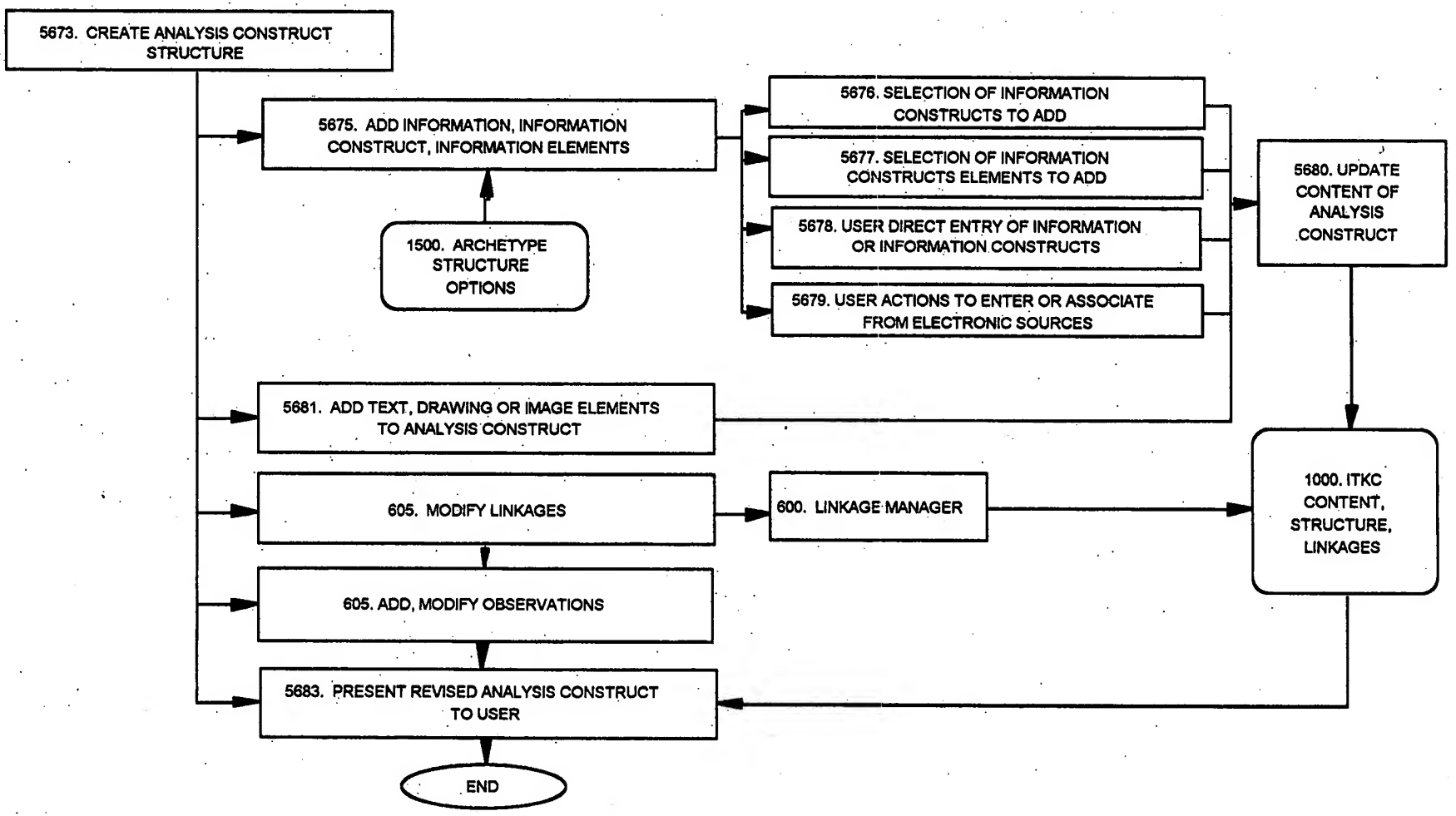

5673. CREATE ANALYSIS CONSTRUCT STRUCTURE
5675. ADD INFORMATION, INFORMATION CONSTRUCT, INFORMATION ELEMENTS
1500. ARCHETYPE STRUCTURE OPTIONS
5676. SELECTION OF INFORMATION CONSTRUCTS TO ADD
5677. SELECTION OF INFORMATION CONSTRUCTS ELEMENTS TO ADD
5678. USER DIRECT ENTRY OF INFORMATION OR INFORMATION CONSTRUCTS
5679. USER ACTIONS TO ENTER OR ASSOCIATE FROM ELECTRONIC SOURCES
5680. UPDATE CONTENT OF ANALYSIS CONSTRUCT
5681. ADD TEXT, DRAWING OR IMAGE ELEMENTS TO ANALYSIS CONSTRUCT
605. MODIFY LINKAGES
600. LINKAGE MANAGER
1000. ITKC CONTENT, STRUCTURE, LINKAGES
605. ADD, MODIFY OBSERVATIONS
5683. PRESENT REVISED ANALYSIS CONSTRUCT TO USER
END

FIGURE 5H-10

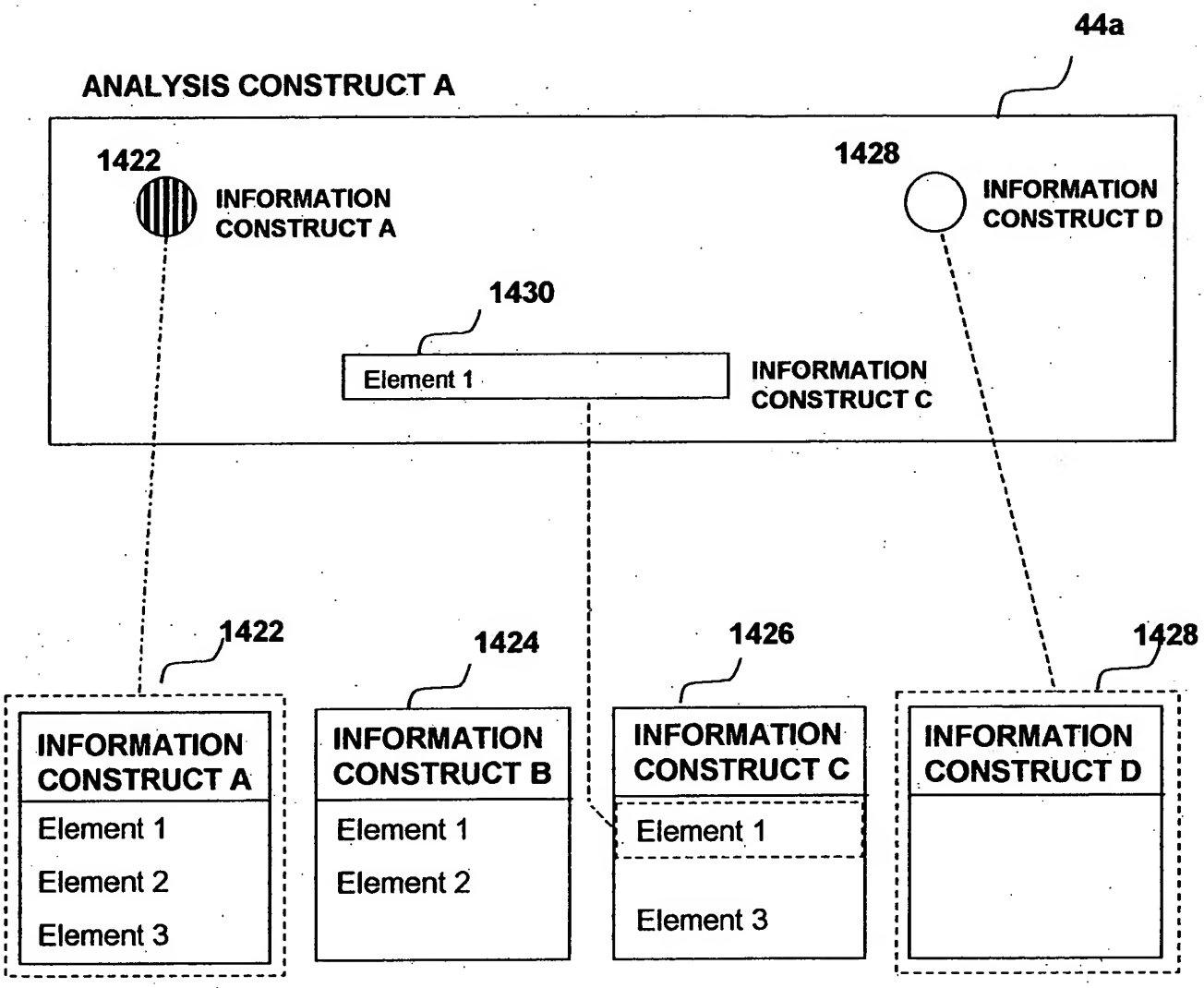

44a
ANALYSIS CONSTRUCT A
1422
INFORMATION CONSTRUCT A
1428
INFORMATION CONSTRUCT D
1430
Element 1
INFORMATION CONSTRUCT C
1422
INFORMATION CONSTRUCT A
Element 1
Element 2
Element 3
1424
INFORMATION CONSTRUCT B
Element 1
Element 2
1426
INFORMATION CONSTRUCT C
Element 1
Element 3
1428
INFORMATION CONSTRUCT D

FIGURE 5H-20

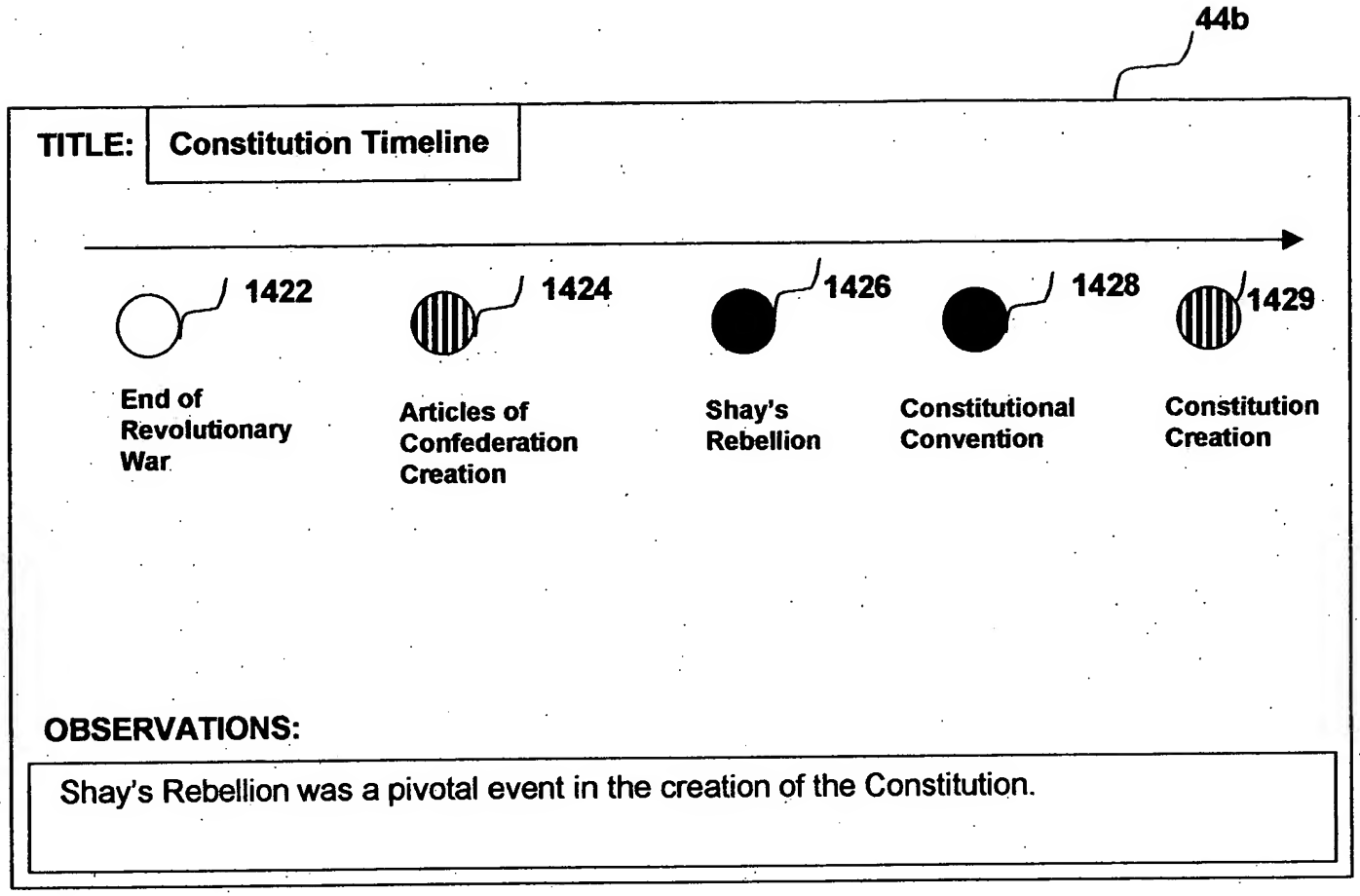

44b
TITLE:
Constitution Timeline
1422
End of Revolutionary War
1424
Articles of Confederation Creation
1426
Shay's Rebellion
1428
Constitutional Convention
1429
Constitution Creation
OBSERVATIONS:
Shay's Rebellion was a pivotal event in the creation of the Constitution.

FIGURE 5H-30

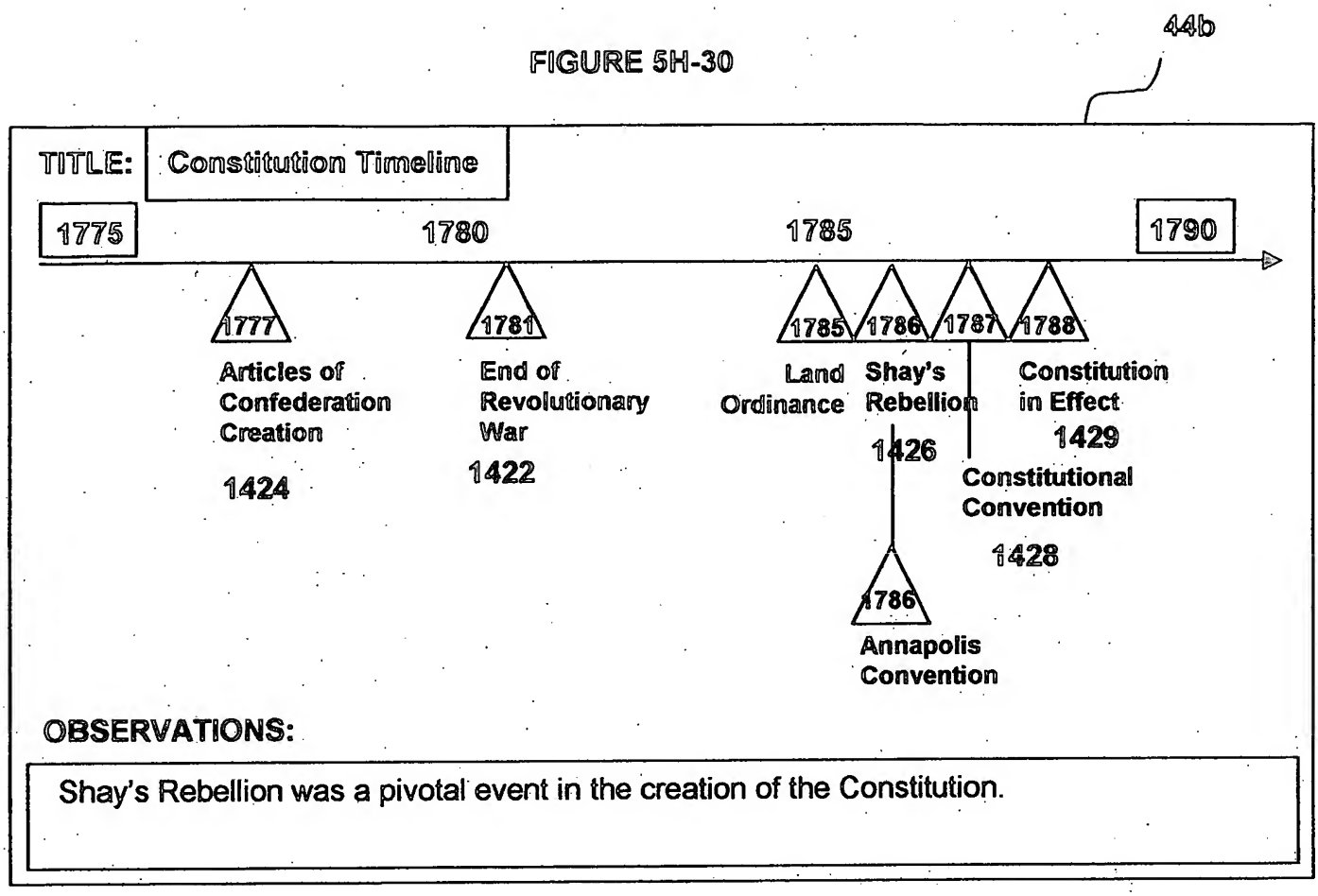

44b
TITLE:
Constitution Timeline
1775
1780
1785
1790
1777
Articles of Confederation Creation
1424
1781
End of Revolutionary War
1422
1785
Land Ordinance
1786
Shay's Rebellion
1426
1786
Annapolis Convention
1787
Constitutional Convention
1428
1788
Constitution in Effect
1429
OBSERVATIONS:
Shay's Rebellion was a pivotal event in the creation of the Constitution.

FIGURE 6

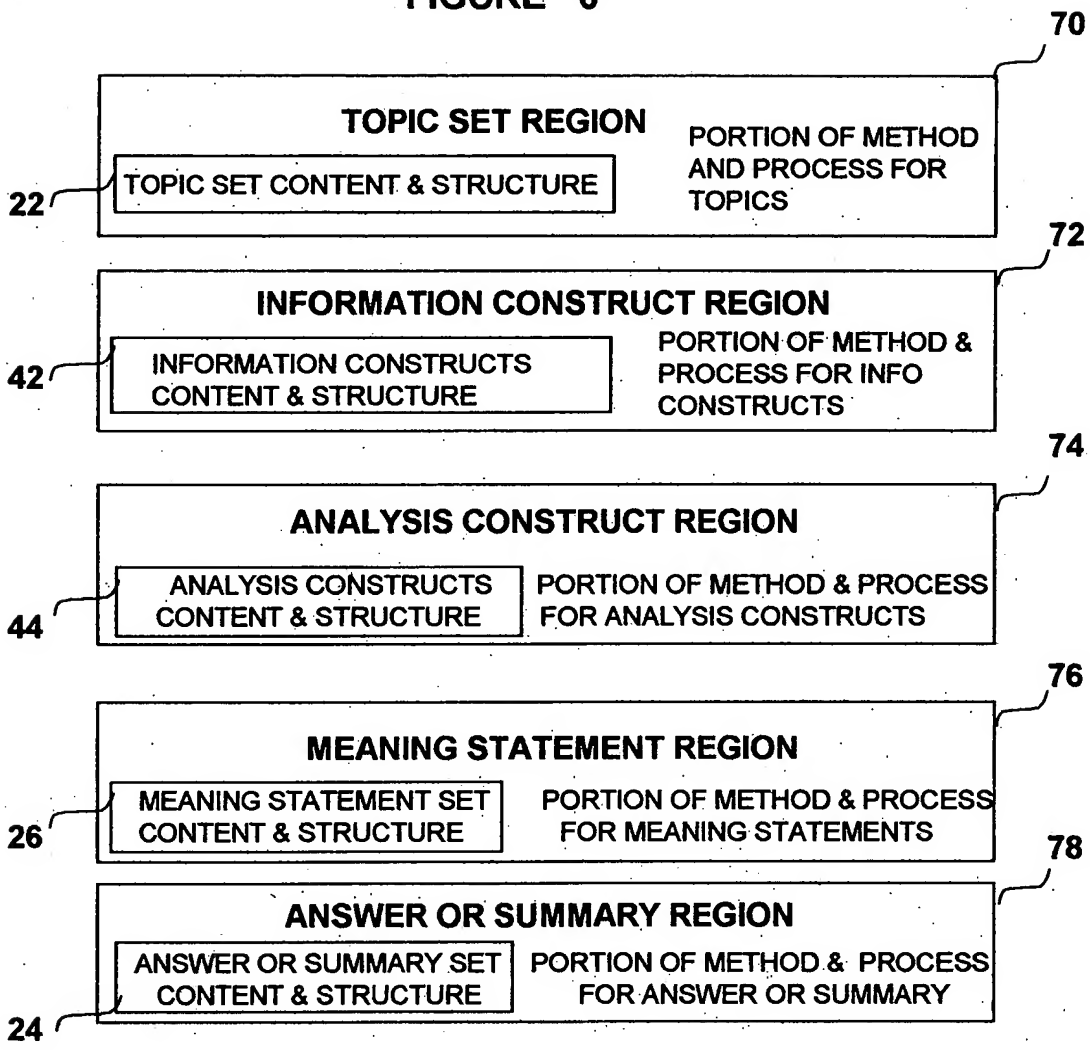

70
TOPIC SET REGION
TOPIC SET CONTENT & STRUCTURE
22
PORTION OF METHOD AND PROCESS FOR TOPICS
72
INFORMATION CONSTRUCT REGION
INFORMATION CONSTRUCTS CONTENT & STRUCTURE
42
PORTION OF METHOD & PROCESS FOR INFO CONSTRUCTS
74
ANALYSIS CONSTRUCT REGION
ANALYSIS CONSTRUCTS CONTENT & STRUCTURE
44
PORTION OF METHOD & PROCESS FOR ANALYSIS CONSTRUCTS
76
MEANING STATEMENT REGION
MEANING STATEMENT SET CONTENT & STRUCTURE
26
PORTION OF METHOD & PROCESS FOR MEANING STATEMENTS
78
ANSWER OR SUMMARY REGION
ANSWER OR SUMMARY SET CONTENT & STRUCTURE
24
PORTION OF METHOD & PROCESS FOR ANSWER OR SUMMARY

FIGURE 6A

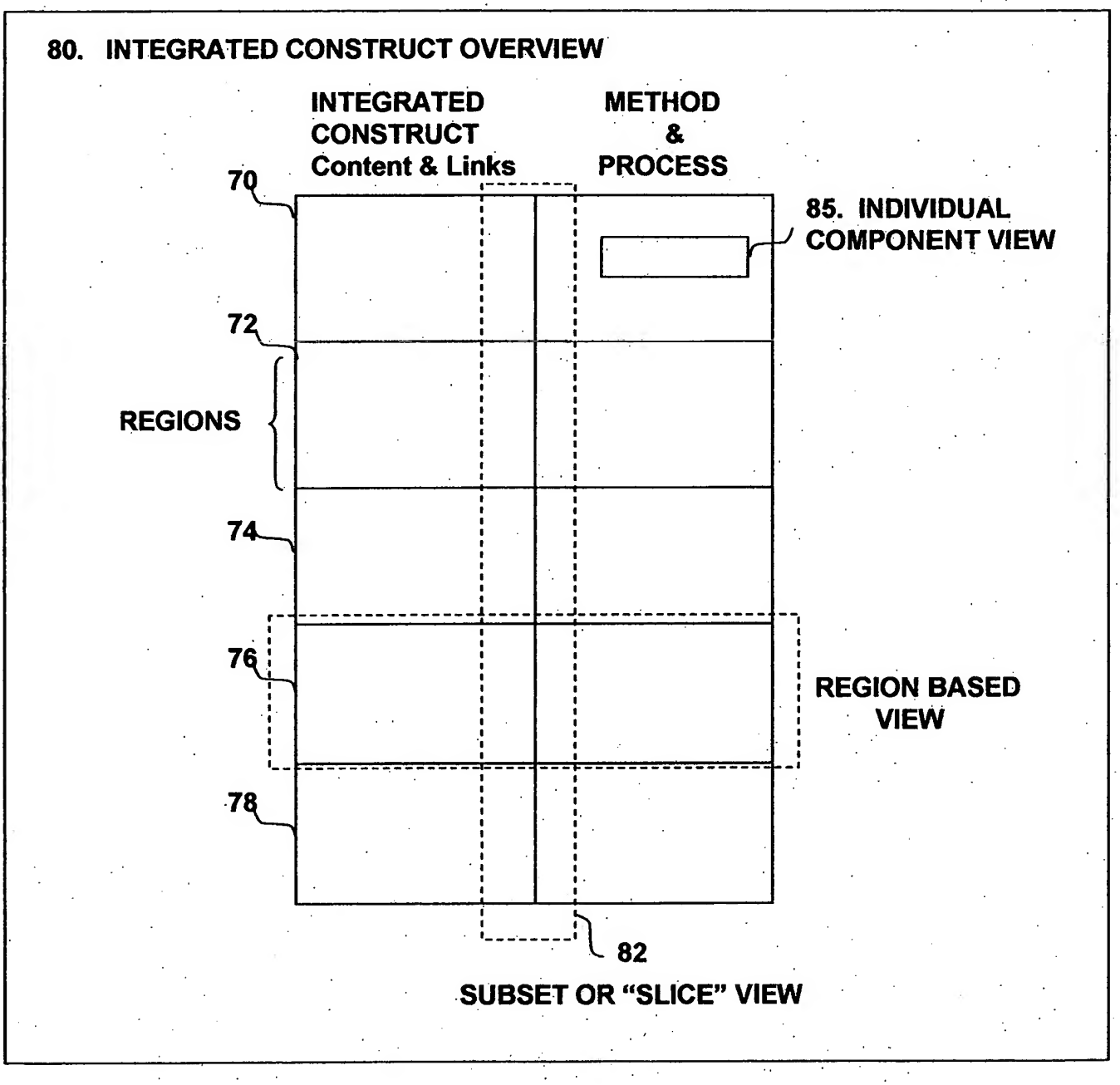

80. INTEGRATED CONSTRUCT OVERVIEW
INTEGRATED CONSTRUCT Content & Links
METHOD & PROCESS
70
85. INDIVIDUAL COMPONENT VIEW
72
REGIONS
74
76
REGION BASED VIEW
78
82
SUBSET OR "SLICE" VIEW

FIGURE 6B

EXAMPLE 3-D EMBODIMENT OF REGION VIEWS - 1

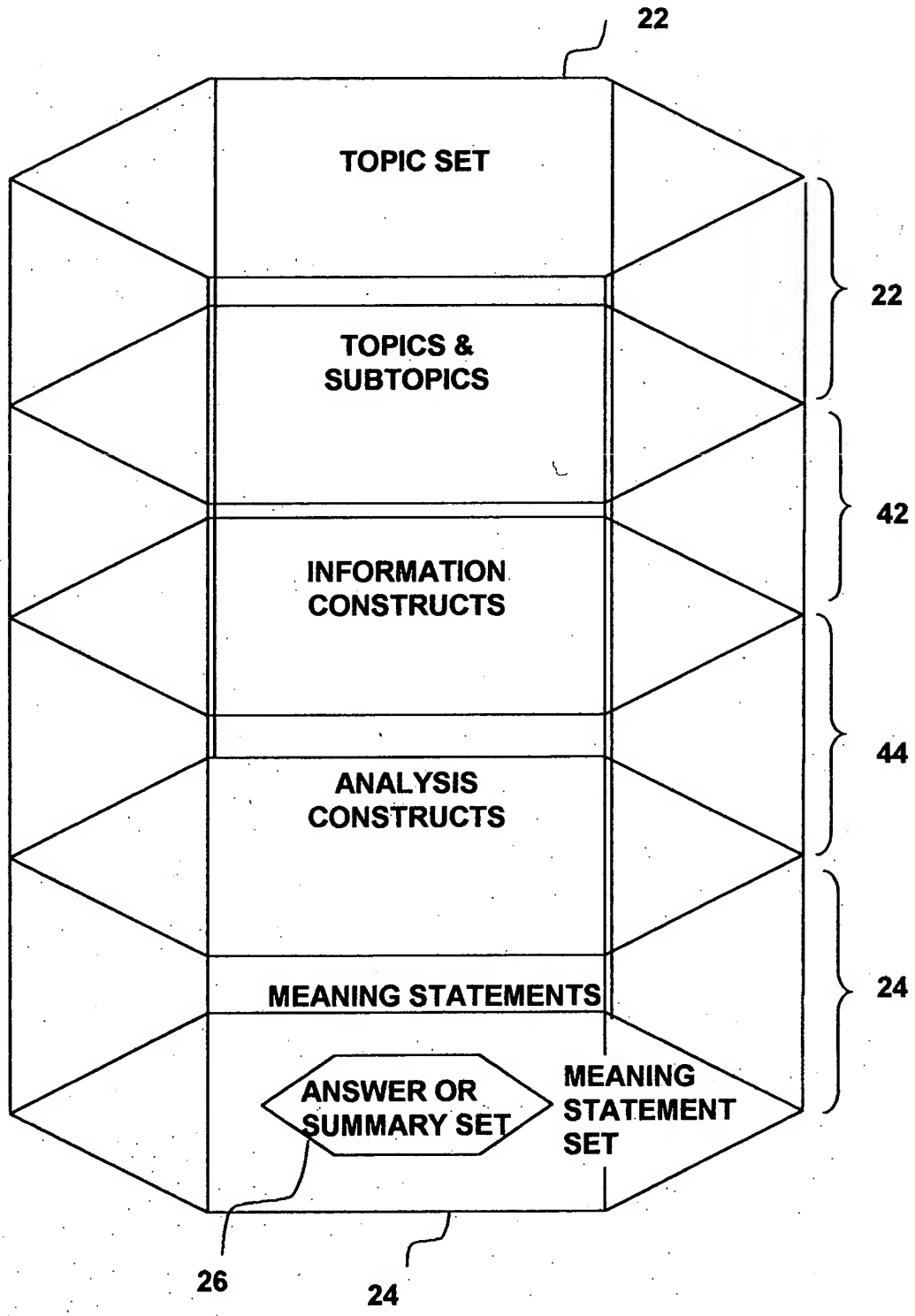


FIGURE 6C
EXAMPLE 3-D EMBODIMENT OF REGION VIEWS - 2

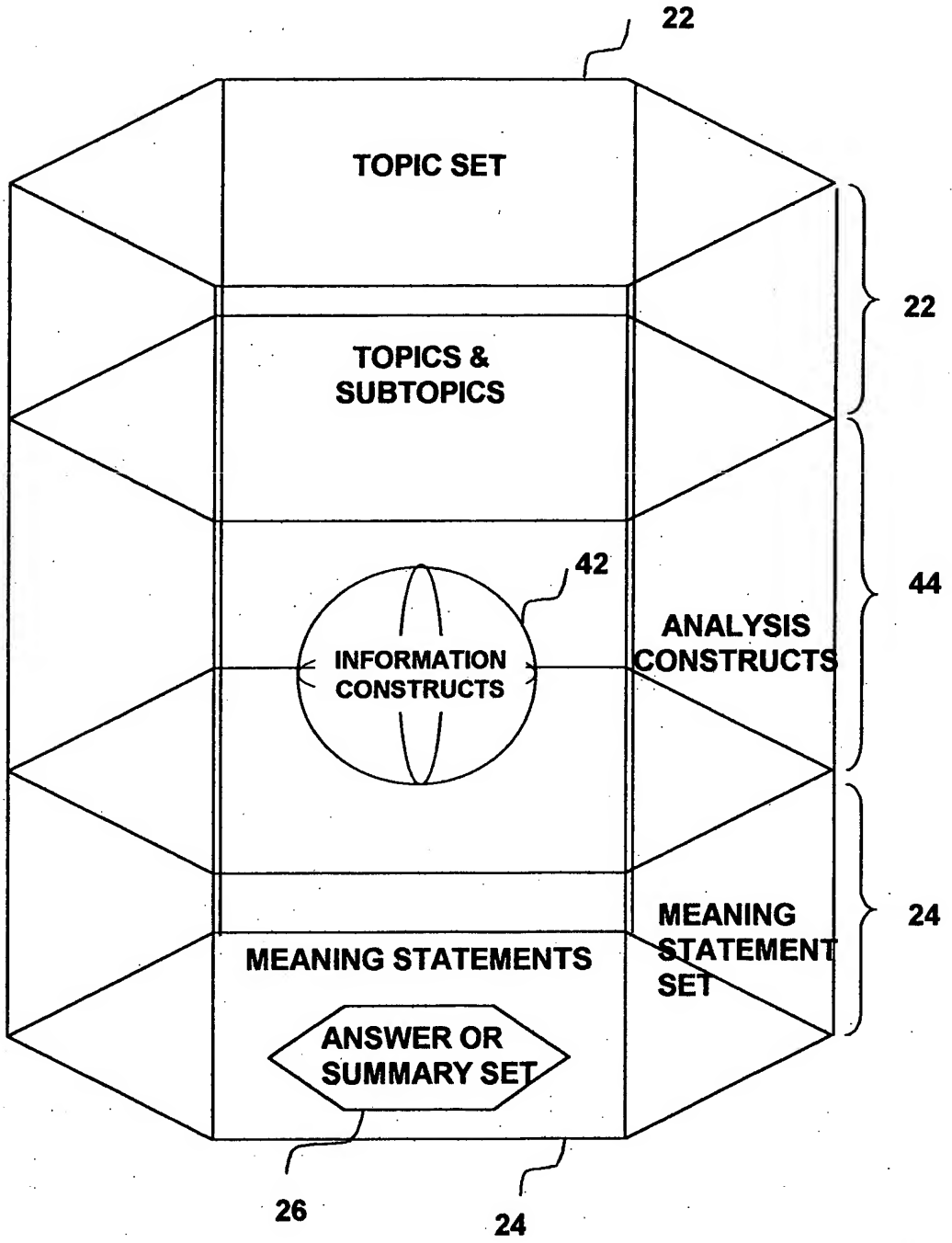


FIGURE 6D
EXAMPLE 3-D EMBODIMENT OF "SLICE" VIEWS

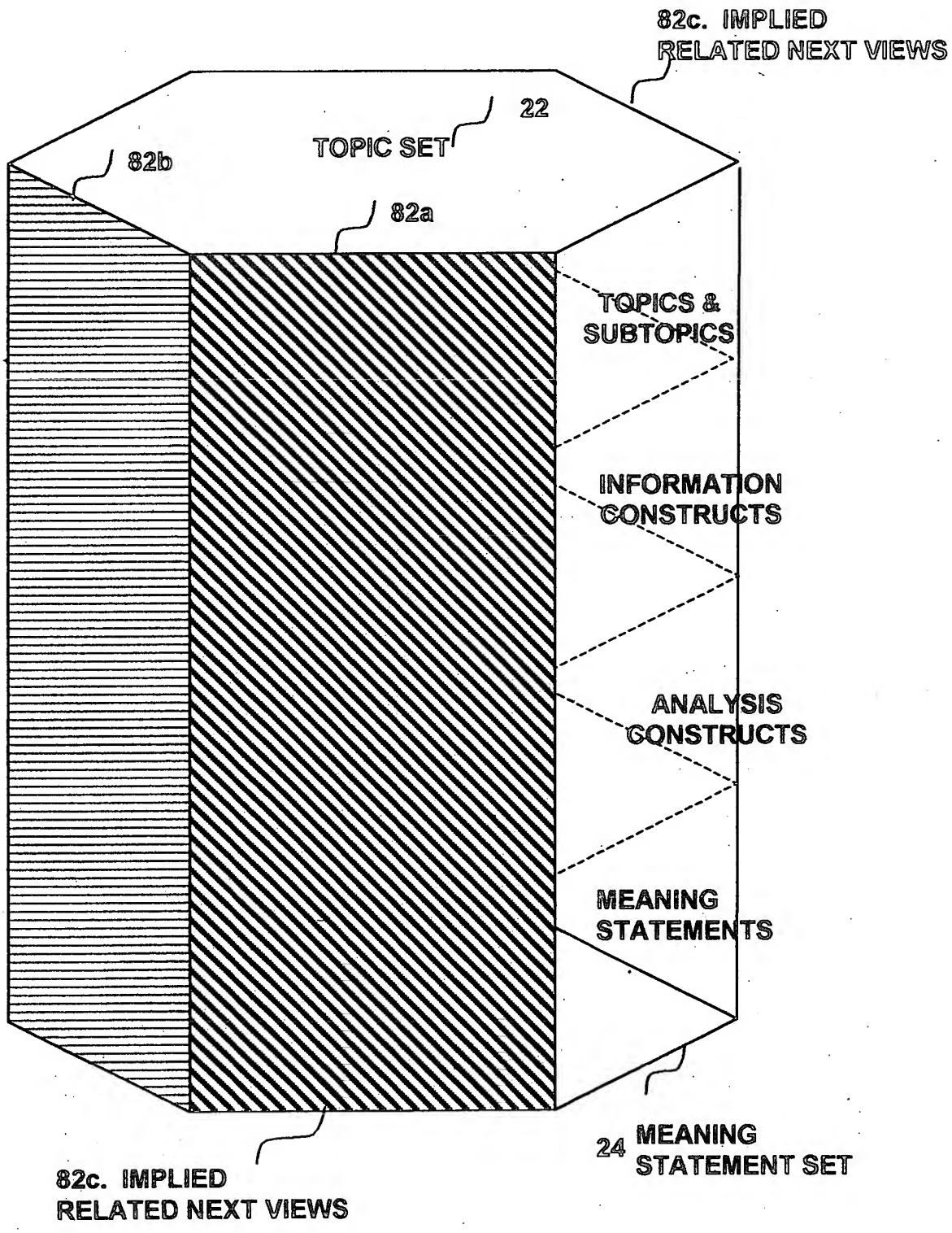
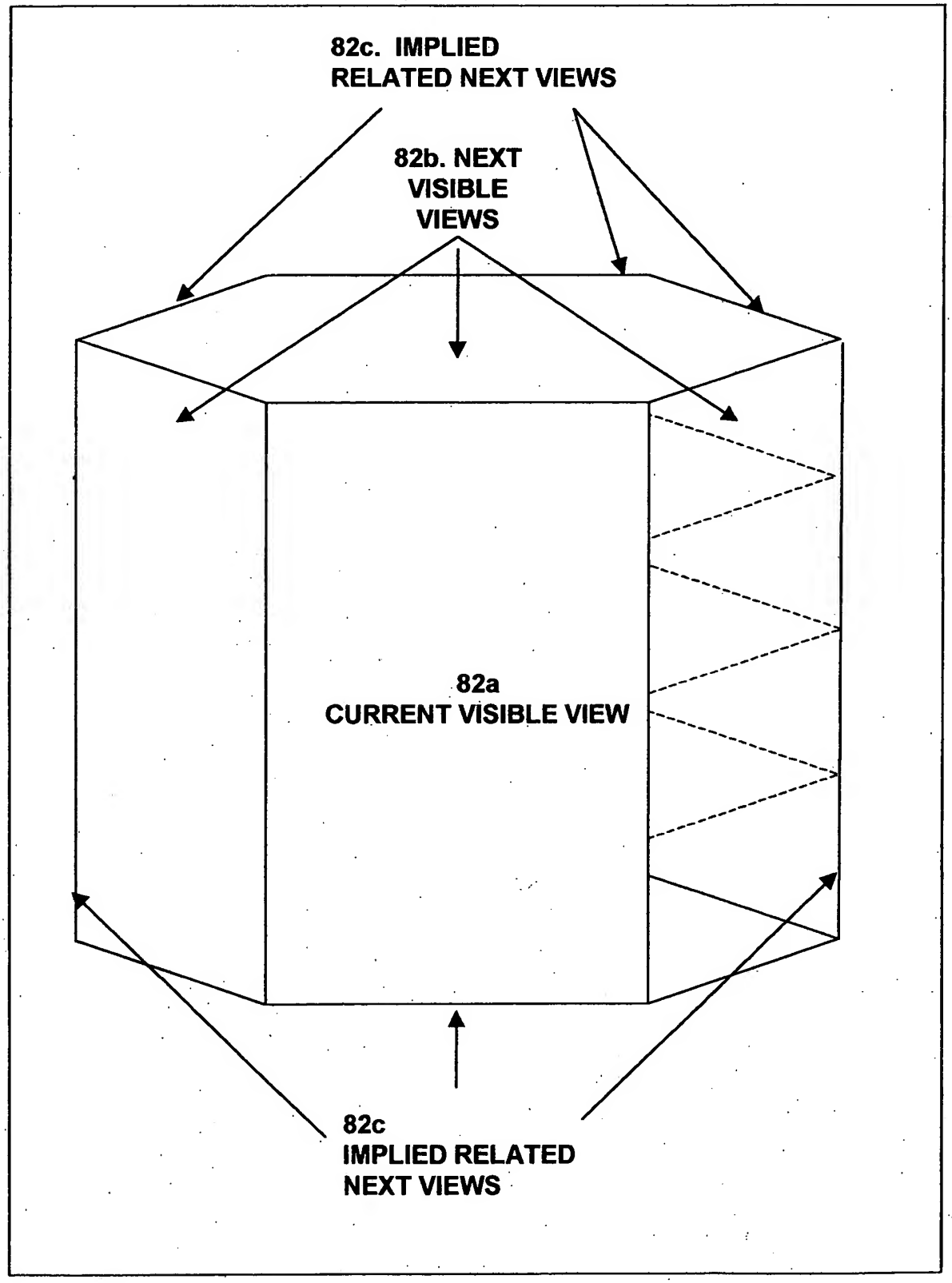


FIGURE 6E


82c. IMPLIED
RELATED NEXT VIEWS
82b. NEXT
VISIBLE
VIEWS
82a
CURRENT VISIBLE VIEW
82c
IMPLIED RELATED
NEXT VIEWS

EXAMPLE POTENTIAL SHAPES FOR 3-D EMBODIMENT

Figure 6I

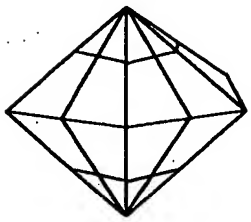


Figure 6J

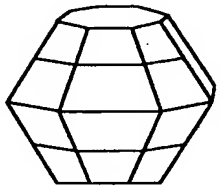


Figure 6K

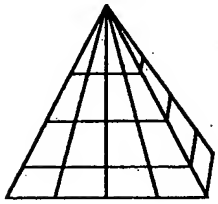


Figure 6L

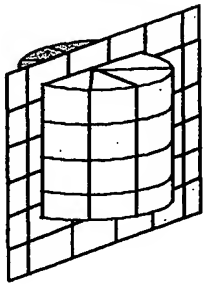


Figure 6M

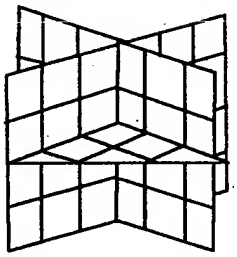


Figure 6N

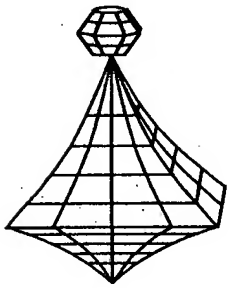


Figure 6O

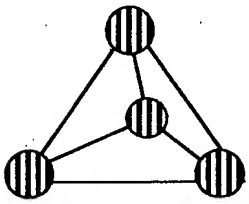


Figure 6P

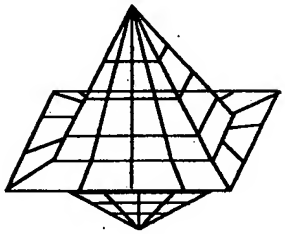


Figure 6Q

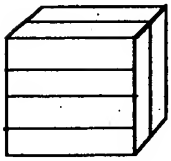


Figure 6R

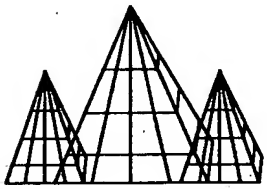


Figure 6S

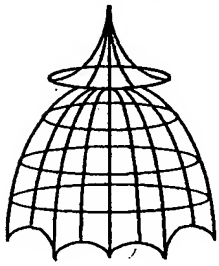


Figure 6T

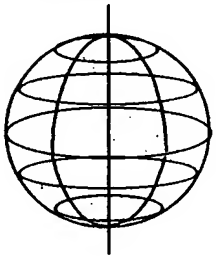


Figure 6U

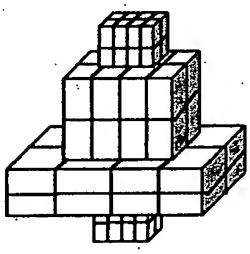


Figure 6V

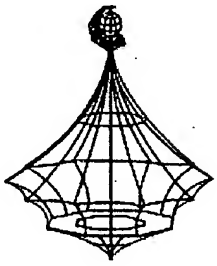


FIGURE 7

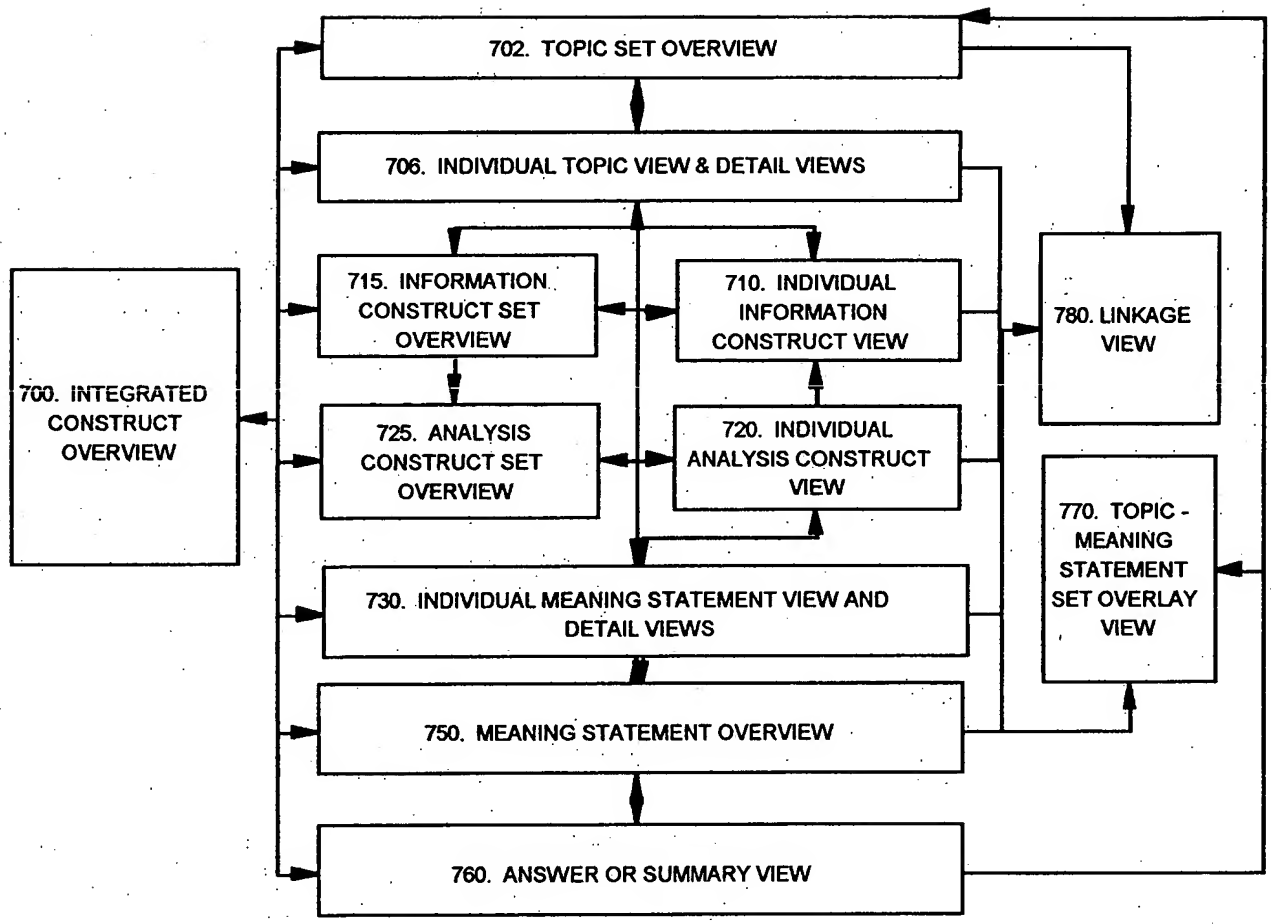

702. TOPIC SET OVERVIEW
706. INDIVIDUAL TOPIC VIEW & DETAIL VIEWS
715. INFORMATION CONSTRUCT SET OVERVIEW
710. INDIVIDUAL INFORMATION CONSTRUCT VIEW
780. LINKAGE VIEW
700. INTEGRATED CONSTRUCT OVERVIEW
725. ANALYSIS CONSTRUCT SET OVERVIEW
720. INDIVIDUAL ANALYSIS CONSTRUCT VIEW
770. TOPIC - MEANING STATEMENT SET OVERLAY VIEW
730. INDIVIDUAL MEANING STATEMENT VIEW AND DETAIL VIEWS
750. MEANING STATEMENT OVERVIEW
760. ANSWER OR SUMMARY VIEW

FIGURE 7A

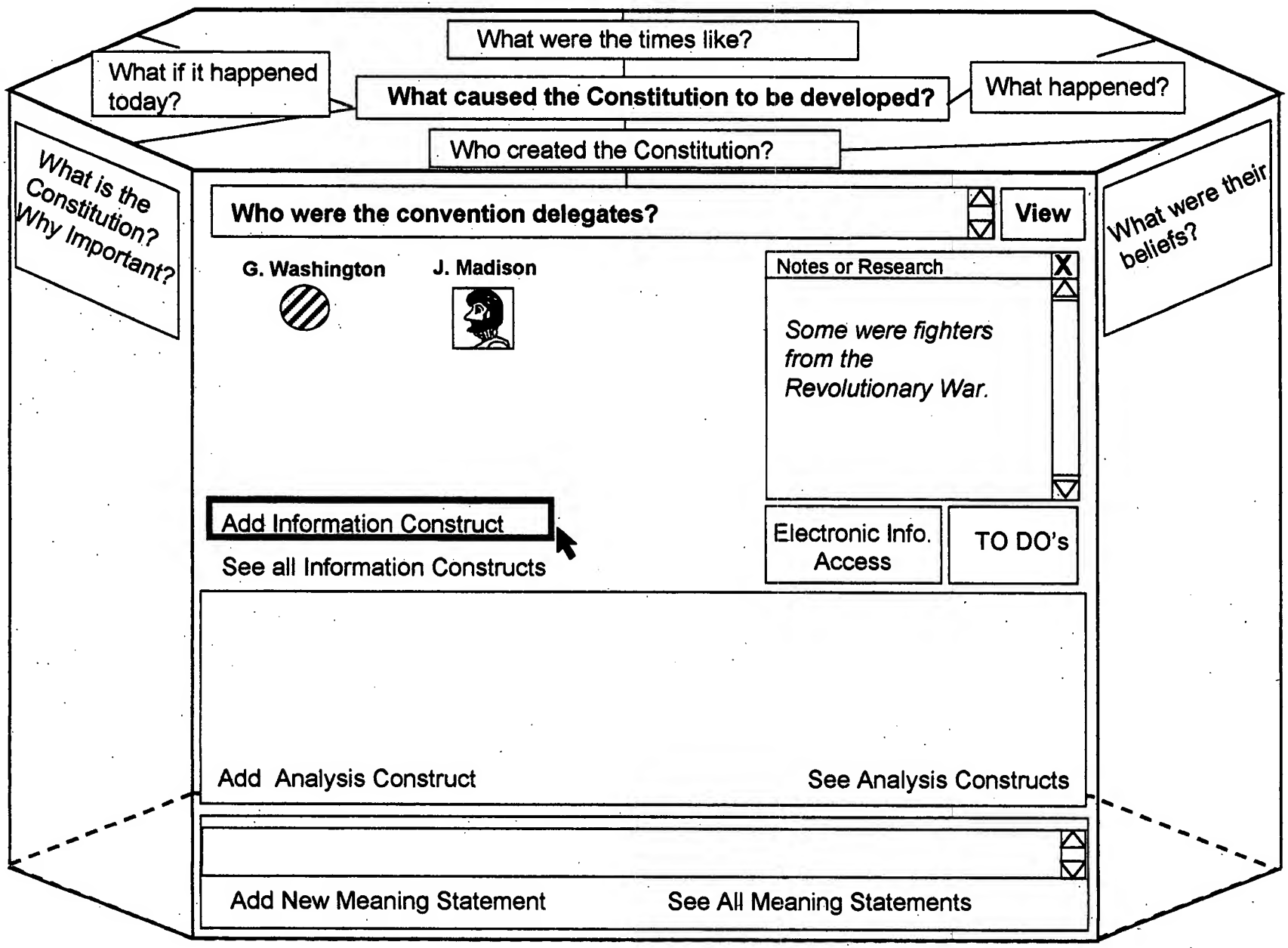

What were the times like?
What if it happened today?
What caused the Constitution to be developed?
What happened?
Who created the Constitution?
What is the Constitution? Why Important?
What were their beliefs?
Who were the convention delegates?
View
G. Washington
J. Madison
Notes or Research
Some were fighters from the Revolutionary War.
Add Information Construct
See all Information Constructs
Electronic Info. Access
TO DO's
Add Analysis Construct
See Analysis Constructs
Add New Meaning Statement
See All Meaning Statements

FIGURE 7B

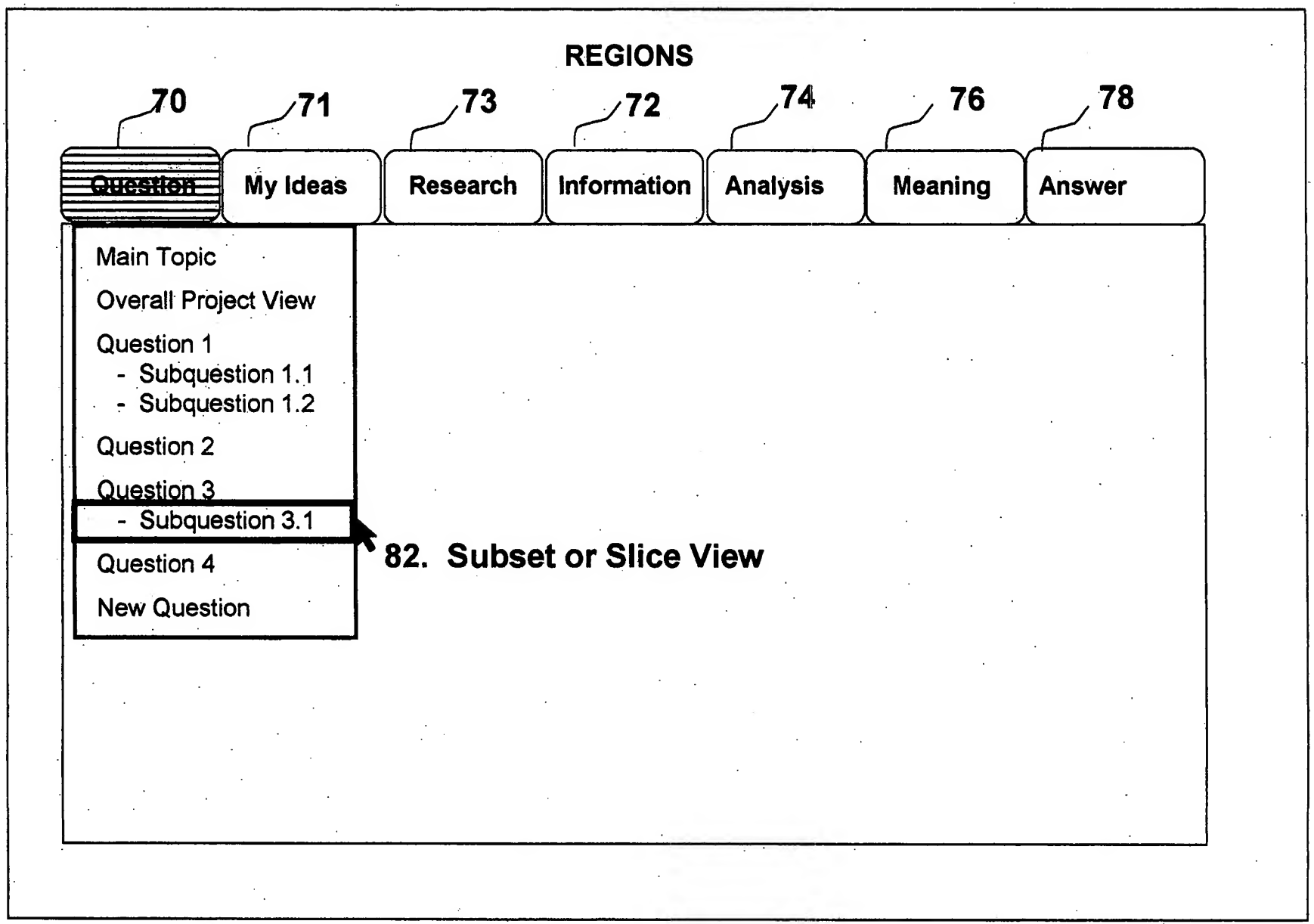

REGIONS
70
71
73
72
74
76
78
Question
My Ideas
Research
Information
Analysis
Meaning
Answer
Main Topic
Overall Project View
Question 1
- Subquestion 1.1
- Subquestion 1.2
Question 2
Question 3
- Subquestion 3.1
Question 4
New Question
82. Subset or Slice View

FIGURE 7C

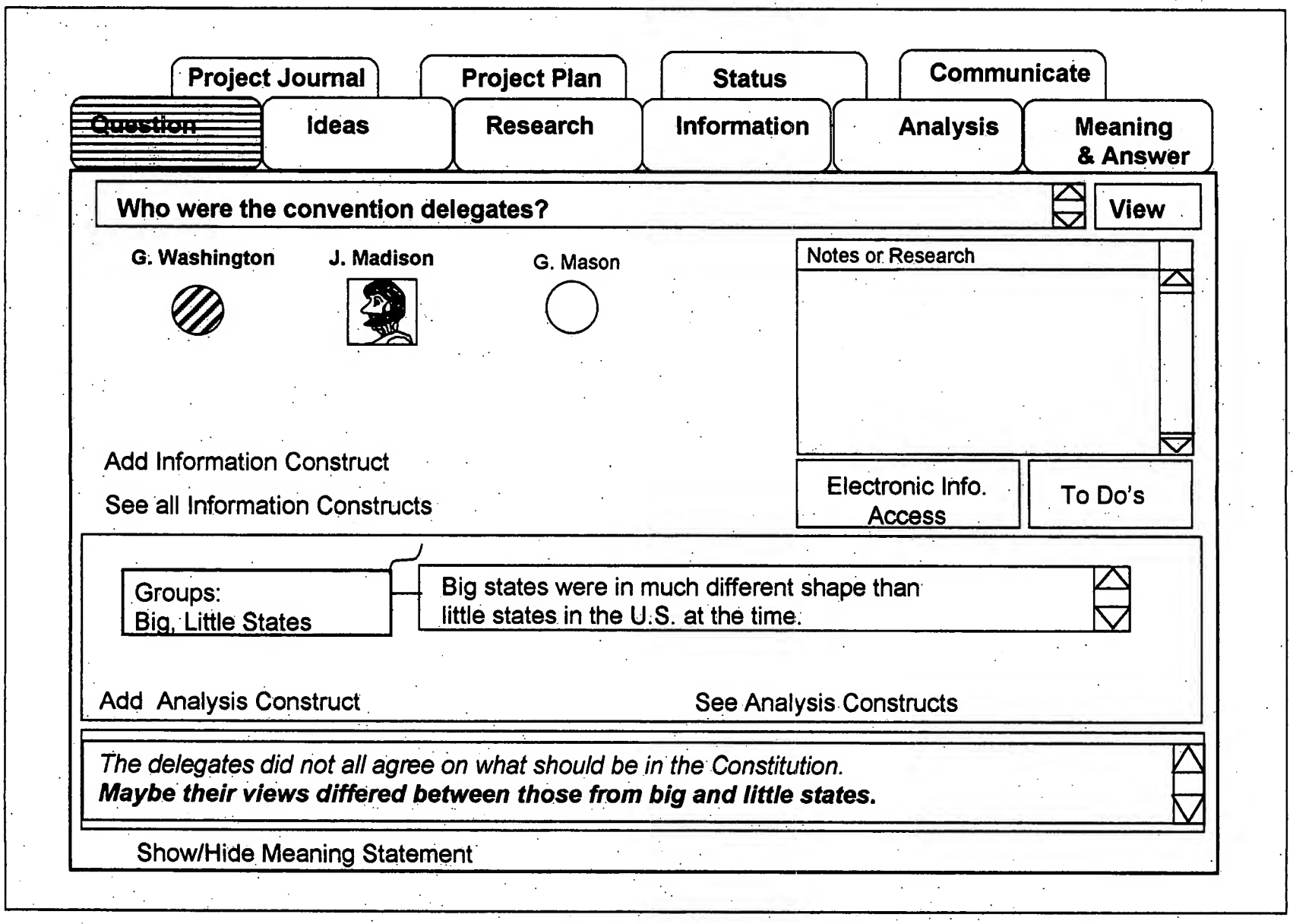

Project Journal
Project Plan
Status
Communicate
Question
Ideas
Research
Information
Analysis
Meaning & Answer
Who were the convention delegates?
View
G. Washington
J. Madison
G. Mason
Notes or Research
Add Information Construct
See all Information Constructs
Electronic Info. Access
To Do's
Groups: Big, Little States
Big states were in much different shape than little states in the U.S. at the time.
Add Analysis Construct
See Analysis Constructs
The delegates did not all agree on what should be in the Constitution.
Maybe their views differed between those from big and little states.
Show/Hide Meaning Statement

FIGURE 7D

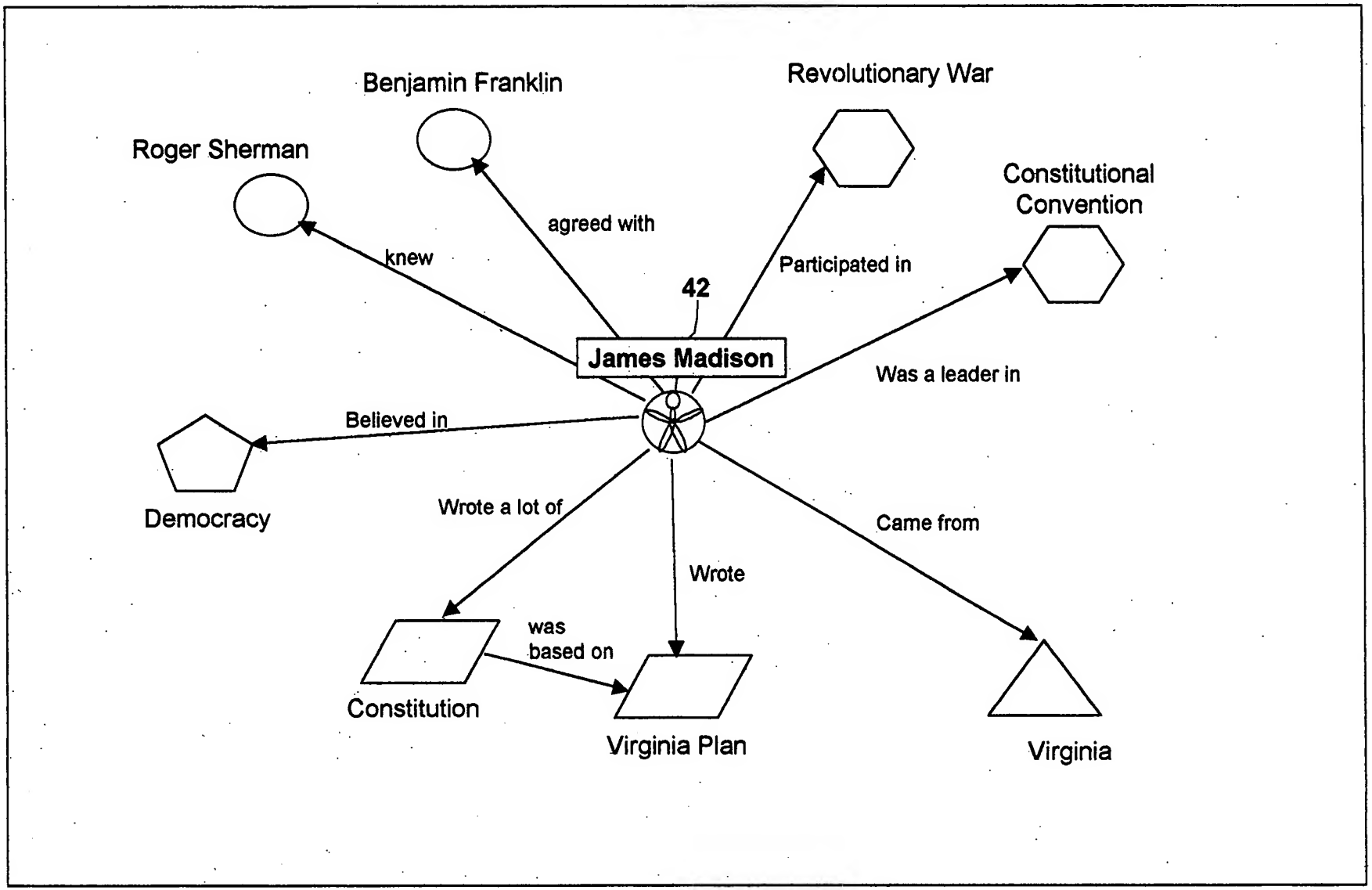
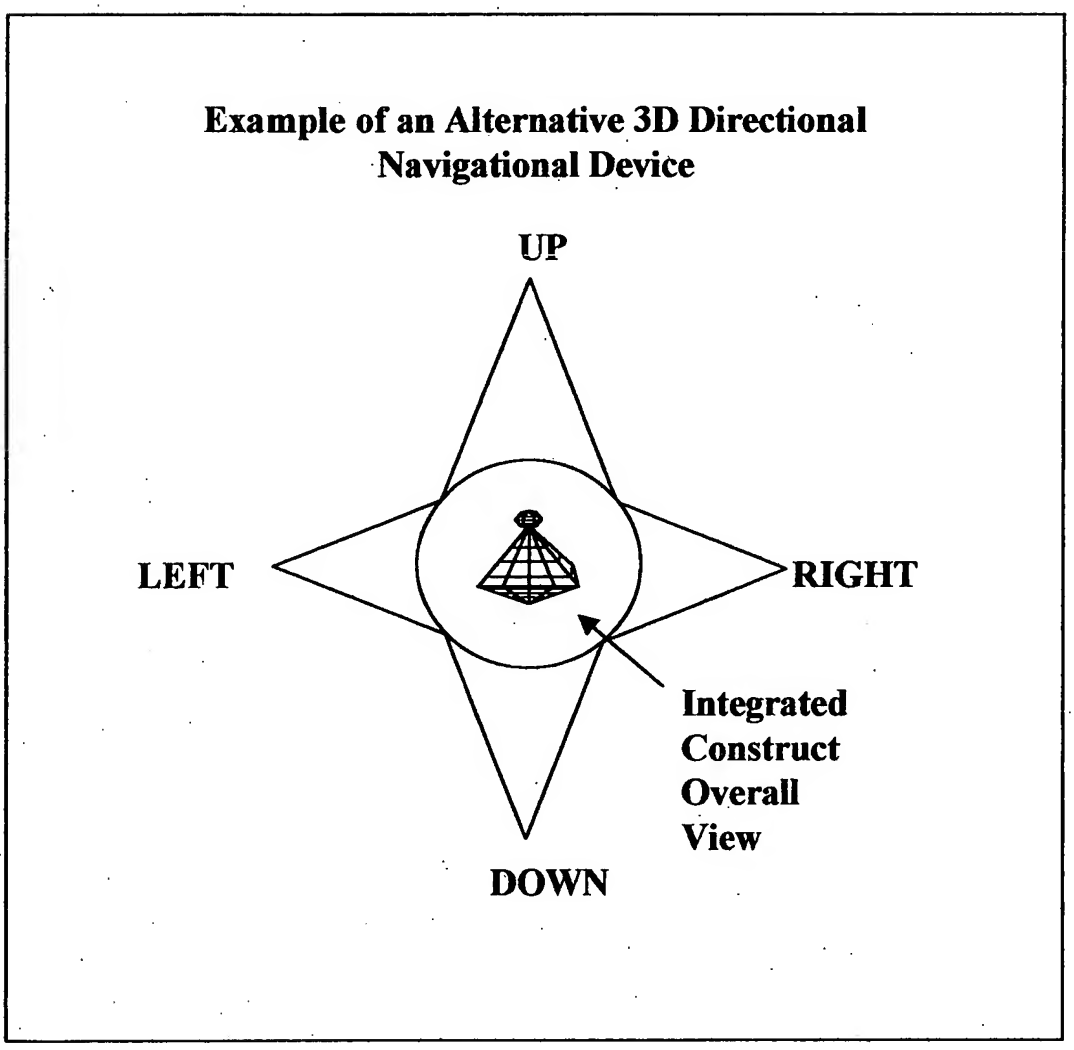

Benjamin Franklin
Revolutionary War
Roger Sherman
Constitutional Convention
agreed with
knew
Participated in
42
James Madison
Was a leader in
Believed in
Democracy
Wrote a lot of
Came from
Wrote
was based on
Constitution
Virginia Plan
Virginia

FIGURE 7E


Example of an Alternative 3D Directional Navigational Device
UP
LEFT
RIGHT
DOWN
Integrated Construct Overall View